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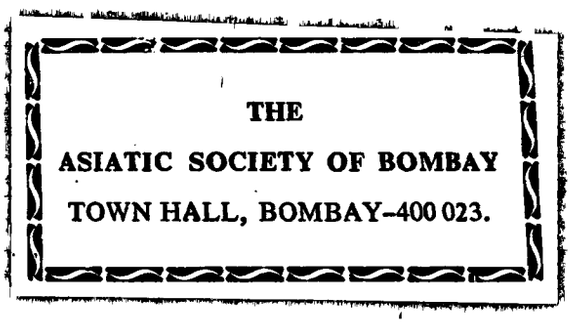

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ADMINISTRATION REPORT

OF THE

MUNICIPAL COMMISSIONER

FOR THE

CITY OF BOMBAY

FOR THE YEAR 1911-12.

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Review by the Standing Committee of the Administration Report of the Municipal Commissioner for the City of Bombay for the Year 1911-12.

Corporation and Standing Committee.

The Honourable Sir Pherozeshah Merwanji Mehta, K.C.I.E., M.A., Bar-at-Law, was President of the Corporation, and Mr. Phiroze Cursetji Sethna, Chairman of the Standing Committee, for the year.

2. There were during the year fifty-one meetings of the Corporation, fifty-two of the Standing Committee, eighty-eight of Committees of the Corporation, and thirty of Sub-Committees of the Standing Committee. The councillors also attended the function for presenting an Address of Welcome to Their Imperial Majesties the King-Emperor and the Queen-Empress on their arrival in Bombay.

3. There were two vacancies in the Corporation, one under section 17 (*b*) of the Municipal Act, and the other by resignation. These were duly filled during the year.

Commissioner.

4. Throughout the year, Mr. P. R. Cadell, I.C.S., held the office of Municipal Commissioner for the City of Bombay. The work having greatly increased on account of the Royal Visit, Mr. J. Crerar, I.C.S., was temporarily appointed Deputy Commissioner for three months from 12th October 1911.

FINANCIAL.

GENERAL.

5. The general financial position of the Corporation continues to be satisfactory. With taxation at the same rates as in the previous year, the year's accounts show a substantial rise in the total revenue of the Municipality. The net result of the transactions for the year shows a surplus of Rs. 11,71,227. The year opened with a working Cash Balance of Rs. 31,49,323 and closed with a balance of Rs. 38,69,352. If from this balance is eliminated a sum of Rs. 8,96,295 reserved for renewals of lapsed grants for 1911-12 and previous years, the Revenue Cash Balance at the close of the year works out to Rs. 29,73,057. This sum includes Rs. 1,00,000, the minimum required by law to be reserved, and Rs. 9,25,000 reserved for payment to the City Improvement Trust on the 1st April 1912. The unhypothecated reserve cash balance therefore amounted to Rs. 19,48,057 against Rs. 15,23,146 for the preceding year. As our Reserve Balances had thus risen beyond immediate requirements, Rs. 5,00,000 were appropriated towards reduction of the Plague Expenditure of Rs. 9,10,052 which for years had been outstanding as an advance from our Surplus Loan Funds. The assets exceed the liabilities by Rs. 2,70,90,603, aggregating Rs. 8,90,66,629 against the gross liability of Rs. 6,19,76,026. The substantial balance in favour of the assets, which shows an increase of Rs. 24,70,410 on the preceding year, coupled with the large reserve in the taxing capacity of the Municipality affords a sufficient guarantee of its financial stability and prosperity.

Income.

6. The rates of Taxation continued to be the same as in the preceding year. The original Budget Estimate of Income was Rs. 1,20,77,000, while the revised estimate amounted to Rs. 1,24,73,000. These figures were however exceeded by Rs. 5,78,789 and Rs. 1,82,789, respectively, notwithstanding a large decrease of Rs. 3,02,902 in the receipts from Town Duties. The total income was Rs. 1,26,55,789 against Rs. 1,21,96,149 in the previous year. The principal items which account for the differences between the estimates and the actuals are :—

		Rs.
(1)	General Tax	2,16,320
(2)	Halalkhore Tax	16,698
(3)	Water Tax...	74,120
(4)	Wheel Tax and Tolls	19,487
(5)	Licenses for dangerous and offensive trades &c....	15,109
(6)	Market Receipts	69,805
(7)	Miscellaneous Fines, Receipts and Fees	1,33,622
(8)	Contributions to Pension Fund	24,017
(9)	Interest on Investments of Sinking Funds and Surplus Balances, &c.	1,09,328
(10)	Payment by C. I. Trust	1,60,364
(11)	Premia on Loan	30,000

Incidence of Taxation.

7. An increase in income must show a corresponding increase in the incidence of taxation which rose from Rs. 10-11-0 in the previous year to Rs. 10-13-2 in the year of report. The subjoined table for the last quinquennium shows a steady rise in the incidence:—

Year.	Rate of the General Tax.	Incidence of Taxation per head of population.
		Rs. a. p.
1907-08	8 3/8%	8 10 5
1908-09	8 3/8%	8 14 11
1909-10	9 1/2%	9 13 5
1910-11	10 5/8%	10 11 0
1911-12	10 3/8%	10 13 2

Expenditure.

8. Excluding Rs. 5,00,000 specially voted for writing off a portion of the unadjusted Plague expenditure of Rs. 9,10,052 advanced from Loan Funds, the total expenditure for the year reached the unprecedented figure of Rs. 1,14,84,562, showing an increase of Rs. 2,02,690 over the outlay of the previous year. Making allowances for casual and non-recurring increases or decreases, the Chief Accountant estimates the permanent increase in expenditure at Rs. 1,87,000 as under :—

	Rs.
Public Works Department	61,000
Public Health „	6,000
Pensions	17,000
Contribution to City Improvement Trust	30,000
Debt...	68,000
Fire Insurance Fund	5,000
	1,87,000

9. Against this increase in Expenditure the permanent expansion in Income is placed at Rs. 3,30,000, indicating that we have reached a sounder position than that of a few years back. Several costly schemes for improvement in the drainage and water supply of the City and for improved communications in the North of the Island will have to be shortly financed. These will necessitate the raising of loans for which heavy Interest and Sinking Fund Charges will have to be provided in the normal expenditure in future. The necessity therefore for scrutinising all proposals for further increases and the schedules of establishments with a view to see what retrenchments could be effected cannot be too strongly emphasized.

10. *Lapsed Grants*:—Out of the total Budget grants for expenditure aggregating Rs. 1,27,73,556, there was at the close of the year an unexpended balance of Rs. 12,88,994, of which sums amounting in aggregate to Rs. 8,96,295 required to be renewed for expenditure during 1912-13, leaving a net saving of Rs. 3,92,699. The grants remaining unexpended which had to be renewed and the net savings during the last quinquennium were as under:—

Year.	Total Budget grants for the year.	Total unexpended grants required to be renewed.	Percentage.	Total unappropriated net savings.	Percentage.
	Rs.	Rs.		Rs.	
1907-08	1,11,62,694	8,03,239	7·2	1,70,253	1·52
1908-09	1,15,21,022	7,12,338	6·2	1,78,558	1·55
1909-10	1,21,36,875	5,67,953	4·7	1,71,872	1·42
1910-11	1,21,74,691	6,61,178	5·4	2,31,642	1·90
1911-12	1,27,73,556	8,96,295	7·0	3,92,699	3·07

It will be observed that the results of the year's transactions in this respect are disappointing, and show the growing tendency of officers to overestimate their requirements. There is a steady increase since 1909-10 and the Committee trust the Commissioner will urge upon all Heads of Departments the necessity of framing their estimates strictly in accordance with their requirements and of working up to the amount of such estimates.

11. *Loan Works Expenditure.*—The total outlay on Loan Works during the year aggregated Rs. 19,70,181-10-10 against Rs.25,08,990-9-6 in the preceding year, showing a decrease of Rs. 5,38,808-14-8. The original and revised estimates for the year aggregated Rs. 39,72,120-9-0 and Rs. 29,69,814-13-0 respectively against which the actual expenditure was only Rs. 19,70,181-10-10. The first instalment of 30 lakhs of the 55 Lakhs Loan was raised during the year and our loan balance at the close of the year rose to Rs. 36,58,394-1-10 against Rs. 21,28, 575-12-8 in the preceding year. The evils of overborrowing are patent and the remedy rests primarily with Executive Officers. The Committee however note with satisfaction that measures have been taken to reduce the loan balances to a figure nearer our estimated requirements by postponing the raising of the second instalment of 25 lakhs of the 55 Lakhs Loan.

12. *Plague Expenditure.*—There was a decrease of Rs. 31,331 in the expenditure on plague operations, which amounted to Rs. 1,55,903 against Rs. 1,87,234 in the preceding year. The total outlay on plague measures from the out-break of plague up to the close of the year under review amounts to Rs. 75,74,450.

13. *Capital Debt.*—The first instalment of Rs. 30 Lakhs of the 55 Lakhs Loan for Miscellaneous Works was raised, and the amount paid during the year

towards reduction of debt was Rs. 1,27,400. The total Capital Debt of the Corporation stood at Rs. 5,91,60,747 against Rs, 5,62,88,147 in the preceding year. Against this debt the total Sinking Fund Investments aggregated Rs. 1,15,36,138, leaving a net debt liability of the Corporation at the close of the year at Rs. 4,76,24, 608.

14. *Stores Audit.*—The balance of stores in hand at the close of the year was valued at Rs. 4,60,542-1-4 against Rs. 5,09,340-7-0 in the preceding year, showing a decrease of Rs. 48,798-5-8. The surplus and obsolete stores stood at Rs. 35,422-14-7, which shows a reduction of Rs. 7,663-13-5 in the value of such stores on the last day of the previous year. The whole stock was verified during the year by an independent verifier.

15. *Test Audit.*—Test Audit was continued throughout the year and 108 reports were made as under :—

Health Department	76
Road „	21
Drainage „	9
Water „	2
	108

It will be observed that particular attention was paid to the working of the Health Department and the test audit of the halalkhore staff has had most excellent results in reducing expenditure under that head, which was as under during the last quinquennium :—

Year.	Expenditure. Rs.
1907-08	... 4,50,000
1908-09	... 4,65,000
1909-10	... 4,63,000
1910-11	... 4,34,000
1911-12	... 4,24,000

The cost of the test audit staff was Rs. 4,105 for the year and looking to the financial saving due to it the amount has been well spent.

16. *Valuation of Municipal Properties.*—The imperative necessity for this work has been repeatedly urged by the Chief Accountant in his reports and also by the Standing Committee in their reviews, and it is satisfactory to note that the Corporation have recently sanctioned expenditure towards making a beginning to placing the values of our "Property" assets on a sound footing.

Assessment and Collection of Taxes.

17. The number of properties in the Assessment Book of the year of report showed a decrease of 207, being 59,721 against 59,928 in the preceding year. The difference was due to cancellation of Sub Nos. of buildings demolished. There was also a large reduction in the number of properties of insignificant value which were not charged the General Tax. Their number fell from 7,550 in the previous year to 5,838 at the close of the year. The number of properties exempted under Section 143 of the Municipal Act was 1,987 against 2,028. On the other hand, the number of Municipal properties not assessed under the aforesaid section rose from 1,450 to 1,472. The net result was a rise in the total number of properties assessed to the General Tax from 48,900 to 50,424.

18. There was an increase of Rs. 13,96,478 against Rs 23,45,849 in the preceding year in the rateable assessment of properties which amounted to Rs. 4,82,55,536 against Rs. 4,68,59,058. The year opened with a gross assessment of Rs. 5,26,75,685 against Rs. 5,04,10,205, and closed with an assessment of

5,36,02,464 against Rs. 5,20,51,478. The complaints against assessments totalled 5,737 against 3,978 received in the preceding year. There were 2 appeals against 7 in the year previous, but they were settled out of Court and withdrawn by the appellants.

19. The total demand on account of property taxes including Rs. 34,335 for previous years amounted to Rs. 82,49,941 against Rs. 79,70,361, showing an increase of Rs. 2,79,580. The drawback allowed during the year was Rs. 49,574 against Rs. 47,089 in 1910-11 and Rs. 35,023 in 1909-10. The total number of claims received for drawback were 7,702 against 8,408, but only 3,391 were admitted against 3,368 in the preceding year. There is no doubt some misconception as regards interpretation of the drawback rules, and the question is still under the consideration of a Committee of the Corporation and a Sub-Committee of the Standing Committee.

20. The actual receipts from General Tax amounted to Rs. 49,76,320 against Rs. 45,76,754, giving an increase of Rs. 3,99,566 due partly to a rise in the rateable value of properties and partly to new buildings. Water Charges aggregated Rs. 20,79,120 against Rs. 19,95,327, while the proceeds from Halalkhore Tax and Special Service increased from Rs. 12,32,950 in the year previous to Rs. 12,92,697.

21. The receipts from Wheel Tax showed a decrease of Rs. 3,261. The total realization for the year was Rs. 4,48,387 (exclusive of Rs. 21,100 from the right of collecting tolls at the Mahim and Sion Causeways) against Rs. 4,51,698. By Act No. II of 1911 which came into force on 7th June 1911 cycles other than motor cycles have been exempted from the payment of wheel tax. During the year 3,955 four-wheeled vehicles against 3,933, 908 two-wheeled vehicles against 1,129, 624 motor cars against 473 and 63 motor cycles against 11 in the year previous were taxed.

22. The net revenue from Town Duties decreased from Rs. 15,92,169 to Rs. 13,53,207, the decrease being principally due to the falling-off under the head of sugar. The gross revenue for the year aggregated Rs. 31,48,248 against Rs. 34,49,545. The refunds allowed in respect of goods exported amounted to Rs. 17,95,041. The total net revenue for the year was therefore Rs. 13,53,207 against Rs. 15,92,169. The scheme sanctioned by the Coporation for marking departmentally every package of sugar after its importation and before its clearance from the Docks was not brought into operation during the year of report.

Public Works.

23. *General Branch.*—The General Branch of the Executive Engineer's Department had to carry out 45 new works, of which 35 were in progress at the close of the year and 10 were not commenced at all. The work of filling in the Gowalia Tank was nearing completion and has since been completed much in advance of the contract period.

24. *Drainage.*—The engines and pumps at the Love Grove Pumping Station and the machinery at the Colaba and Love Grove Air Compressor Stations and the several Ejector Stations worked satisfactorily during the year. The Screening and Dredging Chambers and the New Engine House at Love Grove made good progress. The new chimney at Love Grove was completed during the year.

25. The erection of the New Ejector Station at Elphinstone Road and the laying of the new sealed sewage main from it to the head of the gravitating sewer in Worli Road was completed. Very great progress was

made during the year with the High Lands Drainage Scheme, and the storm-water drain in Parel, Connaught and Reay Roads. A connecting new drain was also put down in Victoria Road.

26. During the year 295 street connections at a total cost of Rs. 12,046 were made against 338 in the year preceding. 96 storm water connections were carried out at a cost of Rs. 2,705. Action was taken to get properties in Malabar Hill district connected with the new sewers. Out of 56 cases taken in hand the works in 41 were completed.

27. *Streets and Buildings.*—3,404 building applications were received against 3,237 in the year previous. 274 notices were issued for removal of unsafe, dangerous or ruinous buildings. 200 of these were complied with either partly or wholly; in 20 cases structures were removed by the Municipality, and 54 cases were pending at the close of the year. 11 buildings collapsed either partly or wholly. In 9 cases no injury was done, but in the remaining two cases four persons were killed and four were slightly injured. Action was taken for removal of 850 inflammable and insanitary huts, of which 783 were removed and 67 cases were pending at the close of the year.

28. The total number of prosecutions inclusive of those withdrawn, *viz.*, 899, was 1,608. In so many as 202 cases the parties were warned and discharged, while 390 persons were convicted and fined Rs. 4,379, giving an average of Rs. 11 per head, and the remaining 117 cases were pending at the close of the year. The punishments inflicted are so inadequate that people deliberately disregard the penal provisions of the Municipal Act. The question of appointing a Municipal Magistrate is still under the consideration of a Committee of the Corporation.

29. The amount available for street improvement during the year was Rs. 3,55,330, of which, Rs. 2,44,017 were from Loan Funds. 8,838 square yards of ground valued at Rs. 3,03,859 were added to the streets. The area added during the preceding year was 7,732 square yards at a cost of Rs. 2,66,644. The question as to what the future policy of the Corporation should be in respect of street improvements is still being considered by a Committee of the Corporation.

30. The area of roads metalled during the year was 56,79,294 square feet against 45,51,871, and the total amount spent on repairs and maintenance aggregated Rs. 4,69,897 against Rs. 4,63,624. It will be observed that a much larger area was repaired without any appreciable increase in the cost and the results are undoubtedly satisfactory. The rates for full metalling and full patching worked out to 8·53 pies and 6·77 pies per square foot respectively against 11·23 pies and 8·04 pies in the preceding year. The operations of the Tramways Company, Ltd., the Gas Company, the Telephone Company, the Water and Drainage Departments, &c., caused nearly 24 miles of road surface out of a total of about 164 miles of road in the City to be disturbed. 18 roads comprising an area of 755,420 square feet were tar-painted at a cost of Rs. 13,460. The route along which Their Imperial Majesties passed on the occasion of their visit to Bombay was specially treated with "Akonia" by the use of which the roads were rendered dustless without being slippery. 15 new roads were taken over from the City Improvement Trust. Six street refuges were constructed and provided with gas lamps at (1) the south end of Wodehouse Road and (2) the east end of Fuller Road, and at the junctions of (3) Gowalia Tank Road, (4) Altamont Road, (5) Pedder Road, and (6) Hughes Road.

31. *Tramways.*—No new tram-rails or extensions were laid during the year. Most of the central electric tram poles along Hornby Road and Esplanade Road from Victoria Terminus to Apollo Bunder were removed and planted on the sides of those roads in order to provide a free and unobstructed central road for the Royal procession. Most of the central poles at the Money School junction were also removed from their original positions.

32. *Overbridges*—The Arthur Road Overbridge was opened for traffic on the 27th December 1911, and the east approaches of the Elphinstone Road and Clerk Road (G. I. P. Railway) Overbridges were completed during the year. As soon as the sewers and water mains are diverted, the Railway Companies will commence the actual bridge building at Currey Road and Clerk Road (B. B. & C. I. Railway). Government have been requested to notify the properties to be acquired under the Land Acquisition Act in connection with the DeLisle Road Overbridge (B. B. & C. I. Railway), and negotiations were proceeding with the Railway Companies with regard to the construction of an overbridge at Dadar.

33. *Lighting*—For the lighting of the City 5,337 gas lamps and 1,833 Kerosine oil lamps were maintained during the year at a cost of Rs. 3,38,234 and Rs. 33,236 respectively. 238 new gas lamps were provided. There was an actual increase of Rs. 7,356 in the total expenditure compared with the figures for the preceding year.

34. *Workshops.*—The value of departmental and private works turned out at the Municipal Workshops was Rs. 1,85,304 against Rs. 1,68,689 during the preceding year, the net result of the year's transactions being a balance of Rs. 2,122 against Rs. 1,754 in favour of the workshops. The work of constructing New Municipal Workshops at Foras Road was commenced during the year.

35. *Water Works.*—The Department which formed a branch of the Executive Engineer's Office was placed solely in charge of the Hydraulic Engineer during the year, and the Water Works were maintained during the period in a state of efficiency. The water-proofing works at the Bhandarwada Reservoir which were commenced on the 26th March 1907 were completed with the result that there was a reduction of about 97 per cent. in leakage and a marked improvement in the surrounding locality. These satisfactory results have led to similar works being undertaken at the Malabar Hill Reservoir and Filters.

36. The rainfall for the year was far from satisfactory. At Tansa Lake it was 69·23 inches against 97·20 in 1910 and 25 per cent. below the average; at Vehar it was 60·27 inches against 77·50 inches in 1910 and 29 per cent. below the average; at Tulsi it was 70·35 inches against 84·36 in 1910 and 33 per cent. below the average. The Tansa Lake overflowed on the 1st August while Vehar and Tulsi did not overflow. The question of the disposal of Pawai is still under consideration.

37. The number of new connections made during the year was 629 while the connections cut off numbered 225. The net increase was therefore 404. The total number of connections at the close of the year was 23,314 against 22,910. Of these 3,134 were metered against 3,139 in the preceding year.

38. 854 underground and 9,253 above ground leaks and defects were detected by the Special Branch and repaired. The total length of the mains examined by this branch, excluding second and subsequent tests, was 50,226 feet against 23,545 in the previous year, and the length, including second and subsequent tests, was 18,33,428 feet against 16,10,531 feet.

39. The work of renewing, enlarging and laying of additional water mains in various parts of the City was continued during the year. The mains varied in sizes from 3″ to 15″, and the total length laid during the year was 11½ miles against 11 miles in the preceding year.

40. Proposals involving an expenditure of Rs. 92,32,000 for increasing and improving the water supply of the City were under the consideration of a Committee of the Corporation.

Fire Brigade.

41. The Fire Brigade was maintained in a state of thorough efficiency throughout the year. There were 134 calls to fires, of which 10 were false alarms. There was no loss of life at fires. At the collapse of one building the Fire Brigade was requisitioned. Five persons were extricated, of whom three were dead.

42. The actual number of fires was 124 against 117 in the previous year. 71 of them were extinguished by the Brigade and 53 before the arrival of the Brigade. The total damage to property was estimated at Rs. 23,04,703 against Rs. 5,76,742 in the preceding year. Nearly the whole damage of the year was caused at a great fire at the Cotton Green, Colaba, on the 20th February, wherein 15 stacks of cotton were damaged, involving a loss of Rs. 20,00,000. Of the amount of damage, Rs. 22,56,024 represented insured properties, and Rs. 48,679 uninsured. The number of buildings damaged by fire was 36, of which 24 were insured and 12 uninsured. The estimated quantity of water used for extinguishing fires was 2,495,310 gallons, of which 2,222,710 gallons were taken from street mains, 270,000 from the sea, and 2,600 from wells and tanks.

43. Telephone arrangements worked satisfactorily. As the Brigade was not summoned to the Mandvi De Souza Street fire in which 8 persons were burnt to death, until the whole of the building was enveloped in flames, the Corporation after a prolonged consideration decided to instal a system of fire alarms with telephones.

44. During the year Mr. Nicholls, the Chief Officer, went on leave preparatory to retirement. Mr. T. C. Greenop from the London Fire Brigade has been appointed in his place.

Public Gardens.

45. The number of visitors at the Victoria Gardens was practically the same as in the previous year, being 1,618,810 against 1,618,724. Band performances given at the Victoria Gardens and at the Esplanade Bandstand continued to be popular. Performances were also given from October at the temporary bandstand at Chowpati.

46. The elephant and camel rides were also popular. 7,338 adults and 12,226 children used the elephant against 5,219 adults and 10,947 children, while 397 adults and 343 children used the camel against 145 adults and 167 children during the previous year.

47. Among the additions to the Zoo may be mentioned a Llama and a Ring-tailed Lemur born in the Garden, a Himalayan Bear cub presented by Lieut. P. E. Etherton, a Persian Fox by Major Hume, and Leopards by Nawab Mir Yusufallikhan Salarjang Bahadur, H. H. Raja Saheb of Vankaner and Mr. G. Agarwala respectively. The chief casualties were a tiger, a leopard, a lion cub and a Malayan bear.

48. The Victoria and Albert Museum was open to the public during 313 days of the year. The total number of visitors was 824,590 against 761,722, giving a daily average of 2,635 against 2,442 in the previous year. The Natural History, Art, Ethnological and Archæological specimens have been re-arranged. Bromide prints of the Rock-cut Caves in Western India have been added to the exhibits. Specimens of the Agate Industry of Cambay and of the Cocoanut Tree Industry have been acquired. The thanks of the Municipality are again due to Mr. F. H. S. Stone, Chief Officer of the P. & O. s.s. "Arcadia," who kindly presented to the Museum Geological speci-

mens and Neolithic Stone Implements found in England. He also discovered Paleolithic Stone Implements in the grounds of Government House, Malabar Point, which have been added to the exhibits.

Health Department.

49. The census of the City was taken on the night of the 10th March 1911. The total population enumerated was 9,79,445 against 7,76,006 in 1901 and 9,77,822 in 1906.

50. The number of births registered during the calendar year 1911 was 21,376 against 19,939 in the preceding year, being the highest ever recorded. This gives a birth-rate of 21·82. The number of births registered does not however represent the whole of the infant population of Bombay, as a considerable number of children of mothers belonging to the City but born outside is not registered. Such children numbered 5,208. Taking these into account and the unregistered children who must have escaped vaccination, the probable infant population of the City works out to 28,107 against 27,073, giving a birth-rate of 28·69 per 1,000 of population compared with 39·52, the birth-rate for the whole of India.

51. The highest birth-rate, as in previous years, was recorded among the Jews (31·68), next come the Parsis with the birth-rate of 29·19, then the Native Christians (25·70). the Mahomedans (24·03), and the Hindus (20·39). The European birth-rate has risen from 15·51 in the previous year to 19·42 in the year of report, while that of the Eurasians works out to 22·20.

52. The mortality was practically the same as in 1910 when, with the exception of that for 1909, it was the lowest recorded since the outbreak of plague in 1896. The total number of deaths registered from all causes during the year was 34,961 against 34,933 in 1910 and 34,878 in 1909. There was an increase in the number of deaths from Plague, the total being 4,006 against 3,656 in the preceding year. Cholera accounted for 123 deaths against 107, and Measles prevailed with greater virulence and registered 468 more deaths than in the year previous. The number of deaths from Small-pox fell from 1,008 to 443, showing a decrease of 565. The importations of Small-pox by the returning Hajis were greatly minimised during the year, there being 4 cases against 71 in 1910 and 52 in 1909. The total number of pilgrims vaccinated in Bombay prior to their embarkation was 15,140, of whom 3,125 were females, against 8,278 including 2,028 females in 1910. Usual facilities were given to the public for vaccination and re-vaccination at the different stations in the City. Two more vaccination stations, one at Colaba and the other at Sion, were opened. The total number of vaccine operations performed during the year was 38,098, showing a decrease of 2,858 below that of 1910, but an increase of 8,982 over that of 1909, and of 13,628 over the decennial average of 1901-1910. The proposed amendment of the Vaccination Act to ensure compulsory re-vaccination was still under the consideration of Government.

53. The mortality from Fevers including Malaria was 3,146, showing a slight increase of 33 over the preceding year but a marked decrease of 893 in the decennial average of 1901-1910. Of these 334 deaths were due to Malaria, being an excess of 41 over the previous year. The Sections which principally contributed to the deaths from this disease were Fort North 28, Esplanade 40, Umerkhady 32 and Dongri 51, the largest number recorded by a Section during the year. Dr. Bentley's Report on the investigation into the causes of Malaria in the city and the measures necessary for its control, was received with Government Resolution, General Department, No. 4125, dated the 6th July 1911. On the 25th January 1912 the Corporation sanctioned the employment of a special staff for Malaria at an estimated annual cost of Rs. 71,700. A draft bill to amend the Municipal Act of 1888 in the direction pointed out by Dr. Bentley was received from Government on 23rd March,

54. The death-rate amongst the Buddhists was the lowest, being 13·84 against 31·69 for the preceding year. The large difference is chiefly due to the population enumerated in the Census of 1911 being more than double of that recorded in 1906. Next come the Europeans whose death-rate was 20·68 against 18·50 in the preceding year. Of all the Native communities the Mahomedans again show the highest death-rate 46·39, and the Parsis the lowest 24·38, their birth-rates being 24·03 and 29·19 respectively. Amongst the Hindus the mortality was 34·18, and that amongst the Native Christians 34·55. The mortality amongst the Jews, which was steadily rising since the year 1908, declined during the year from 36·33 to 26·98. The only community whose death-rate exceeds the decennial average is the European community, being 20·68 against the mean of 16·73.

55. There was a decrease in the infantile mortality from 8,253 to 8,120 in the year of report, the death-rate per mille, calculated on the corrected number of births worked out by the Health Officer, being 288·8 against 304 in 1910.

56. 746 confinements were attended by the Municipal Nurses working under the Registrars, against 713 in the preceding year, and their house to house visits numbered 37,875 against 49,428. The number of patients who took advantage of the ten Municipal Dispensaries and of the two other charitable Dispensaries at Colaba and the Victoria Bunder aided by the Municipality was 88,594. Out of these, 2,336 patients were treated at their houses. 1,551 notifications of Infectious Diseases were received during the year from Medical Practitioners against 1,487. 53 notifications were received from Hakims and Vaids, and the diseases reported in all of them were found to be correct.

57. The work done in the Municipal Laboratory has increased considerably. In the year 1904 only 385 articles were examined, whereas in the year of report the articles numbered 5,198 against 4,502 in 1910 when there was a small decrease owing to the post of the Analyst having remained vacant for over a month in consequence of the death of the late Analyst Dr. B. P. Ghadially. Of the 5,198 articles, 1,529 were examined chemically and 3,669 bacteriologically, including 1,535 samples of water supply of which 281 were examined chemically and 1,254 bacteriologically. 6,963 tins of Laboratory Rat Poison and 190 Mercurial Solution Jars were prepared, and 1,398 tubes of vaccine were examined.

58. At the Arthur Road Hospital there were 965 admissions against 1,266 in the preceding year. Of these, 340 were cases of Small-pox, 87 of Measles, 76 of Mumps, and 39 of Cholera. 176 cases proved fatal. Of the 340 Small-pox cases, 202 were vaccinated and 138 un-vaccinated, and the incidence of mortality amongst these two sets of cases was 10·8 and 39·8 per cent. respectively.

59. The admissions to the Maratha Hospital numbered 604 against 476 in 1910. Of these 565 were plague cases, the mortality rate amongst whom was 74·8 which indicated a further reduction of over 2 per cent. in the case mortality for the previous year.

60. There were 5 Refuse Motors in use which worked satisfactorily. The question of installing a Refuse Destructor at Palton Road is still under consideration. 7,21,752 cart-loads of rubbish were unloaded at the Tardeo Flats and other places as against 8,57,878 in the preceding year, and 1,14,377 night-soil and cesspool carts and 43,14,968 night-soil baskets were emptied at the several night-soil depôts as compared with 1,17,175 night-soil and cesspool carts and 42,71,898 night-soil baskets in the year previous.

Licenses.

61. The year witnessed a further increase in the number of licenses from 7,540 to 8,019. The total receipts aggregated Rs. 1,00,486 against

Rs. 87,806, showing an increase of Rs. 12,680 which was the largest increase over the income of a previous year ever recorded. The revised bye-laws in regard to Milch Cattle, Horse and Bullock stables are still under the consideration of the Corporation. The number of prosecutions instituted during the year was 3,127. In 681 cases fines were inflicted which aggregated Rs. 9,150. This was more than twice the figure ever previously realized from fines.

Markets.

62. The total receipts from Markets and Slaughter-Houses amounted to Rs. 5,45,836 against Rs. 4,88,607, showing an increase of Rs. 57,229. The increase was principally due to stall rents, squatters fees and slaughter fees. The rise in slaughtering fees was so much as Rs. 35,474 and it was chiefly accounted for by a large number of buffaloes sent down from up-country districts owing to scarcity of fodder.

63. The quantity of unwholesome food destroyed by the Department during the year was less than that of the last year, being 1,34,441 lbs. against 2,05,277 lbs. The principal decrease was in Contraband Kurla Meat—a satisfactory result of the amendment of the Municipal Act by Act No. II of 1911.

Primary Education.

64. During the year under review 15 new schools were opened, 5 of each class, *viz.*, Marathi, Gujarathi, and Urdu. The total number of Municipal Schools was 142. The number of pupils rose from 13,255 to 15,861. The aided schools numbered 126 with 13,621 pupils against 112 with 11,661 pupils in the preceding year. The grant-in-aid given to these schools amounted to Rs. 40,674 against Rs. 36,053. The Committee's receipts for the year aggregated Rs. 3,65,197 against Rs. 3,61,150, and the expenditure was Rs. 3,38,264 against Rs. 3,30,891. Three new school buildings in Memoñwada Road, Kumbharwada and Morland Road were completed and given over to the Schools Committee. The subjoined table will show that a considerable progress has been made during the last quinquennium.

Year.	Number of Municipal Schools.	Number of pupils.	Amount of grant in-aid paid to aided schools.	Total expenditure.
			Rs.	Rs.
1907-08	102	9,466	29,310	2,33,134
1908-09	102	10,314	32,834	2,54,888
1909-10	114	11,559	34,098	2,88,202
1910-11	127	13,255	36,053	3,30,891
1911-12	142	15,861	40,674	3,38,264

Conclusion.

65. In conclusion, the Standing Committee again congratulate the Commissioner, Mr. P. R. Cadell, I. C. S., on his able and successful administration of Municipal affairs during the year.

MUNICIPAL CORPORATION OFFICE,
Bombay, 23*rd October* 1912.

CHUNILAL V. MEHTA,
Chairman of the Standing Committee.

Annual Administration Report of the Municipal Commissioner for the City of Bombay for the year 1911-1912.

Introductory.

1. Mr. P. R. Cadell, I.C.S., continued to hold the office of the Municipal Commissioner for the City of Bombay throughout the year.

2. The general health of the City was satisfactory during the year.

I.—Corporation and Standing Committee.

THE CORPORATION.

3. The Honb'le Sir Pherozeshah Merwanjee Mehta, K.C.I.E., M.A., Bar.-at-Law, was appointed President of the Corporation at the Meeting held on the 3rd April 1911, and held that appointment throughout the year.

4. Fifty-one Meetings of the Corporation, one attendance of Councillors for the presentation of an Address of Welcome to Their Imperial Majesties the King-Emperor of India and the Queen-Empress on their arrival in Bombay, and eighty-eight Meetings of the Committees of the Corporation, other than those of the Standing Committee, were held.

5. The changes that took place during the year in the personnel of the Corporation were as follows :—

Mr. Hari Sitaram Dikshit, B.A., LL.B., ceased to be a Councillor on the 14th February 1912, under Section 17 (*b*) of the Municipal Act, and in his place Mr. Dharamsi J. Thacker, B.A., LL.B., was elected by the Rate-payers of D Ward on the 25th March 1912.

Mr. E. M. Proes. A.M.I.C.E., resigned on the 4th March 1912, and in his place Mr. A. H. Whyte was appointed by Government on the 9th March 1912.

6. The following Councillors were absent from the Meetings of the Corporation for the period shown below for reasons approved by the Corporation under Section 17 (*b*) of the Municipal Act :—

Name.	Period.
Sir Dinshaw Petit, Bart.	From 10th April to 4th October 1911.
Mr. Fazulbhoy Meherally Chinoy... ...	From 10th April to 30th July 1911.
„ F. F. Gordon	From 1st May to 22nd November 1911.
„ Jamsetji Ardaseer Wadia	From 10th April to 30th November 1911.
„ J. A. D. McBain	From 1st April to the end of October 1911.
„ James MacDonald	For 4 months from the 9th May 1911.
„ Mahomedbhoy Hajibhoy Lalji ...	From 1st June to 15th November 1911.
Dr. Shavaksha Sorabji Batliwala, L. M. & S.	From 8th May to 15th November 1911.

THE STANDING COMMITTEE.

7. Mr. Phiroze Cursetji Sethna was appointed Chairman of the Standing Committee at the Meeting held on the 5th April 1911, and held that appointment throughout the year.

8. There were fifty-two regular Meetings of the Standing Committee and thirty Meetings of the Sub-Committees thereof; two other Sub-Committee Meetings were convened but could not be held.

9. There were forty-six attendances of Members for the auditing of Municipal Accounts and one hundred and twenty-five for cheque signing.

10. The changes that took place during the year in the personnel of the Standing Committee were as follows :—

Mr. Jamsetji Ardaseer Wadia resigned on the 8th April 1911 and in his place Mr. Cowasji Jehangir was elected by the Corporation on the 13th April 1911.

Mr. E. M. Proes, A.M.I.C.E., resigned on the 4th March 1912 and in his place Lieut.-Col. M. A. T. Collie, I.M.S., was appointed by Government on the 9th March 1912.

11. The following is the list of Municipal Councillors who held Office on the 31st March 1912 :—

§ PHEROZESHAH MERWANJEE MEHTA, THE HON'BLE SIR, K.C.I.E., M.A., BAR.-AT-LAW, J.P., *J, President.*

ABDUL HUSSEIN ADAMJI PEERBHOY, THE HON'BLE MR., J.P., *R* (C Ward).
ABDUL SATAR AYUB GAYA, DR., L.M. & S., *R* (B Ward).
BALKRISHNA VASUDEV PANDURANG, MR., J P., *G.*
BAPTISTA, JOSEPH, MR., L.C.E. (Bombay), B.A., LL.B. (Cantab.), BAR.-AT-LAW, *R* (E Ward).
§ BHALCHANDRA KRISHNA BHATAWADEKAR, SIR, KT., L.M., J.P., *R* (D Ward).
BRITTO, J. L., MR., J.P., *G.*
†§ CHIMANLAL H. SETALWAD, THE HON'BLE MR., B.A., LL.B., J.P., *U.*
*CHUNILAL VIJBHUKANDAS MEHTA, MR., M.A., LL.B., *R* (C Ward).
COLLIE, M. A. T., LIEUT.-COL., M.B. (Aberd.), C.M., L.M.S., J.P., *J.*
COWASJI JEHANGIR READYMONEY, MR., B.A. (Cantab.), J.P., *J.*
*‡ DAVID, SASSOON, THE HON'BLE SIR, BART., J.P., *G.*
D'MONTE, DOMINICK A., DR., M.D., L.R.C.P. (London), L. M & S., M.R.C.S., J.P., *G.*
†DHACKJEE CASSINATHJEE, RAO BAHADUR, J.P., *R* (C Ward).
DHARAMSI J. THACKER, MR., B.A., LL.B., R. (D Ward).
DINANATH BALKRISHNA NAIK DANDEKAR, RAO BAHADUR, DR., L.M. & S., F.R.I.P.H. (London.), J.P., *J.*
DINSHA BOMANJI PESTANJI MASTER, DR., L.M. & S., J.P., *R* (C Ward).
† ‡ § DINSHA EDALJI WACHA, MR., J.P., *R* (A Ward).
DINSHAW MANOCKJI PETIT, SIR, BART., J. P., *J.*
DUNN, G. O. W., MR., *G.*
EBRAHIM ADAMJI PEERBHOY, MR., *R* (C Ward).
*EDWARDES, S. M., MR., C.V.O., I.C.S., J.P., *J.*
ELLAPA BALARAM, RAO BAHADUR, J.P., *R* (E Ward),
*§ FAZULBHOY CURRIMBHOY EBRAHIM, THE HON'BLE MR., J.P., *R* (C Ward),
*FAZULBHOY MEHERALLY CHINOY, MR., J. P., *G.*
GORDON, F. F., MR., J.P., *J.*
GULLAM HUSEN CURRIMBHOY EBRAHIM, MR., J.P., *J.*
HAJI SULEMAN ABDUL WAHED, MR., J.P., *G.*
HAJEE YOOSOF HAJEE ESMAIL SOBANI, MR., J.P., *J.*
†‡ IBRAHIM RAHIMTOOLA, THE HON'BLE SIR, Kt., C.I.E., J.P., *R* (B Ward).
JAFFER JOOSAB, MR., *R* (B Ward).
JAFFER RAHIMTOOLA, MR., B.A., BAR.-AT-LAW, J.P *R* (B Ward).
JAMSETJEE ARDASEER WADIA, MR., J.P., *J.*
JEHANGIR BOMANJEE PETIT, MR., J.P., *J,*
† JEHANGIR J. CURSETJI, DR., M.D., L.R.C.P., L.R.C.S., *R* (C Ward).
JEHANGIR RUSTOMJI PATELL, MR., B.A., LL.B., J.P., *R* (D Ward).
KARAMALI PEERBHAI HAJI, MR., J. P., *R* (B Ward)
KAVASJI EDALJI DADACHANJI, DR., L.M. & S., J P, *R* (D Ward).
KAZI KABIRUDDIN, MR., BAR.-AT-LAW., J. P., *R* (E Ward).
LEAO, D. F., MR., J.P., *G.*
McBAIN, J. A. D., MR., J.P., *R* (A Ward).
†MACDONALD, JAMES, MR., J.P., *J.*
MADHAVJI VIRJI, MR., B.A., LL.B., *R* (A Ward).
MAHOMEDBHOY CURRIMBHOY EBRAHIM, MR., J.P., *R* (F Ward).
MAHOMEDBHOY HAJIBHOY LALJI, MR., J.P., *J.*
MILNE, J. S. WARDLAW, MR., J.P., *CC.*
MIRZA ALI MAHOMED KHAN, MR., M.A., LL.B., J.P., *G.*
MORESHWAR CHINTAMAN JAVLE, DR., *R* (G Ward).
MULJI B. BARBHAYA, MR., J.P., *G.*
MUNMOHUNDASS RAMJI, THE HON'BLE MR., J.P., *R* (C Ward).
* NADIRSHAW H. E, SUKHIA, DR., L. M. & S., L. V. SC., M.R.S.I. (London), J.P., *R* (A Ward).
†NARAYEN VISHVANATH MANDLIK, MR., B.A., LL.B., J.P., *J.*
‡ NOWROSJEE JEHANGEER GAMUDIA, MR., J.P., *R* (A Ward).
ORR, J. P., THE HON'BLE MR., C.S.I., I.C.S., J.P., *G.*
* PHIROZE CURSETJI SETHNA, MR., J.P., *J.* (*Chairman, Standing Committee*).
RAMCHANDRA BHASKER MANTRI, MR., J.P., *R* (D Ward).
RATANSHA TEMULJI NARIMAN, DR., M.D., F.R.M.S., J.P., *J.*
SALE, E. L., MR., I.C.S., J.P., *G.*
*SALEBHOY KARIMJI BARODAWALLA, MR., J.P., *R* (E Ward).
SARAFALI MAMOOJI, MR., *R* (B Ward).
SHAPOORJEE SORABJEE MISTRY, MR., *R* (A Ward),
SHAVAKSHA SORABJI BATLIWALA, DR., L.M. & S., J.P. *R* (F Ward),
SHERIF DEVJI KANJI, MR., *R* (B Ward).
SIMKIN, F. H, MR. J. P., *G.*
SORABJI CURSETJI DHONDY, MR., *R* (E Ward).
SOONDERDAS NARANDAS, RAO BAHADUR, B.A., LL.B., J.P., *R* (C Ward).
TAHERALI MAHOMEDALI KAJIJI, MR., M.A. (OXON.), LL.D. (Dublin), BAR.-AT-LAW., J.P., *G.*
TEMULJI BHIKAJI NARIMAN, THE HON'BLE DR., L.M., F.R.M.S (London), J.P., *U.*
*‡TOD, A. M., MR., J.P., *CC.*
VASANTRAO ANANDRAO DABHOLKER, MR., J.P., *G*
VITHALRAO KRISHNAJI VANDEKAR, RAO BAHADUR, J.P., *R* (B Ward).
WHYTE, A H., MR. *G.*

NOTE.—The letters against the names signify—*R*, that the member was elected by the Ratepayers; *J*, by the Bench of Justices; *CC*, by the Chamber of Commerce; *U*, by the University; and *G*, appointed by Government.

NOTE.—The marks against the names signify—*, Member of the Standing Committee; †, Member of the Schools Committee; ‡, Member of the Board of the City of Bombay Improvement Trust; §, Member of the Board of the Victoria Jubilee Technical Institute.

II.—Heads of Departments.

12. Mr. B. H. Hewett, A.M.I.C.E., Deputy Executive Engineer, Mechanical Branch, held the post of the Executive Engineer upto 4th June 1911. Under Corporation Resolution No. 7738 of 16th March 1911, Mr. James W. Mackison, B.Sc., A.M.I.C.E., was appointed Executive Engineer. The appointment took effect from 12th May 1911, the date of Mr. Mackison's departure from England. He took charge from 5th June 1911 and continued to hold the appointment till the close of the year.

13. Mr. N. Maughan, A.M.I.C.E., Deputy Executive Engineer, Drainage, was on combined leave from 25th April to 3rd November 1911, during which period Mr. D. D. Daruwalla, L.C.E., A.M.I.C.E., acted for him.

14. Mr. T. A. E. Thompson, 1st Engineer, Love Grove Pumping and Compressor Stations, was in charge of the Mechanical Branch from 1st April to 4th June 1911, the period during which Mr. Hewett held the post of the Executive Engineer. Mr. Hewett resumed charge of his appointment as Deputy Executive Engineer, Mechanical Branch, on 5th June 1911. The Old Bombay Exhibition Committee having selected Mr. Hewett as the only suitable person to proceed to England to arrange for the purchase of the machinery and adjuncts required for the Exhibition in connection with the Royal Visit to Bombay, he was granted leave of absence for 2 months from 17th July to 16th September 1911 on deputation on behalf of the Committee (*vide* Corporation Resolution No. 2184 of 15th July 1911). During this period Mr. Newman Taylor, partner in the firm of Messrs. Macbeth Brothers, was put in charge of the Love Grove Pumping and Compressor Stations, and of the works in connection with the New Pumping Station at Love Grove. He visited the stations and works twice a week. During the same period Mr. W. A. Niven, Assistant Engineer, Water Works, was appointed as Acting Engineer in charge, Mechanical Branch, and placed in charge of the Municipal Workshops. Mr. Hewett resumed his appointment on the expiration of the leave and continued to hold it till the close of the year.

15. Mr. H. J. Trivess Smith, A.M.I.C.E., M.I.M.E., continued as Deputy Executive Engineer, Water Works, until 7th June 1911, on which date he was appointed Hydraulic Engineer under the Amended Act and continued in the appointment throughout the remainder of the year.

16. Dr. J. A. Turner, M.D., D.P.H., Executive Health Officer, was on leave from 30th August to 30th November 1911, during which period his Senior Assistant, Dr. B. K. Goldsmith, M.B., Ch.B., D.P.H., acted for him.

17. Mr. Sorabji B. Master, Revenue and Refund Audit Officer, was on privilege leave from 6th November 1911 to 5th February 1912, during which period his Assistant, Mr. Rustomji N. Coyaji, acted for him.

18. Mr. Douglas Bennett, Superintendent of Markets, retired from service on 1st April 1911 and Mr. L. W. Michael, Superintendent of Licenses, was appointed in his place from that date. Mr. Michael was on leave from 5th June to 7th September 1911, during which period Mr. A. H. Underdown, Chief Inspector, Health Department, acted for him.

19. Mr. L. W. Michael, Superintendent of Licenses, having been appointed Superintendent of Markets, from 1st April 1911, Mr. P. P. Wagh, 1st Assistant Assessor, was appointed Superintendent of Licenses, from that date and he held the post throughout the year.

20. Mr. W. Nicholls, Chief Officer, Fire Brigade, was allowed combined leave from 1st June 1911 to 16th January 1913 preparatory to retirement.

Mr. G. F. Weston, Head Foreman, acted for him from 1st June to 23rd July 1911 and Mr. T. C. Greenop was appointed Acting Chief Officer and took over charge of his appointment on 24th July 1911 and continued to hold the appointment throughout the year.

21. Captain J. Lacey, Storekeeper, was on privilege leave from 1st June to 20th July 1911, during which period Mr. K. N. Ranina, Assistant Storekeeper, acted for him. Captain Lacey retired from service on 1st November 1911 and Mr. E. J. Hale, Works Inspector, Drainage Department, was appointed as Acting Storekeeper and continued to hold the appointment throughout the year.

22. Mr. N. B. Masani, Secretary, Schools Committee, was on combined leave from 1st May 1911 to 30th April 1912. Mr. Shamrao Narayen Chachad, Head Clerk of the Committee's Office, was put in charge of the duties of the Secretary from 1st May to 18th July 1911 and Mr. Abdul Rehman Bhaiji, B.A., Acting Superintendent, Municipal Schools, was appointed Acting Secretary from 19th July 1911 and continued to hold the appointment throughout the year.

23. The following Officers continued in their respective appointments throughout the year :—

Mr. W. E. Waite, Chief Accountant, with Mr. Manekshah Cawashah Taleyarkhan, as Deputy Accountant.

Mr. Behramji D. Banaji, Assessor and Collector.

„ R. P. Masani, M.A., Municipal Secretary.

„ Cecil L. Burns, Curator and Secretary, Victoria and Albert Museum.

„ C. D. Mahalaxmivala, Superintendent of Gardens.

Rao Saheb Anandrao Wamon Shete, Assistant to Commissioner, and Superintendent of Printing and Stationery.

III.—Financial.

I. GENERAL.

Working Cash and Surplus Cash Balances.

24. The year opened with a working Cash Balance of Rs. 31,49,323 and closed with a balance of Rs. 38,69,352. The income realized during the year amounted to Rs. 1,26,55,789, while the expenditure aggregated Rs. 1,14,84,562, thus resulting in a surplus of Rs. 11,71,227. As our Reserve Balances had thus risen beyond immediate requirements Rs. 5,00,000 were voted by the Corporation towards the reduction of the Plague Expenditure of Rs. 9,10,052 which for years has been outstanding as an advance from our Surplus Loan Funds and which it is desirable finally to pay off.

Out of the closing balance of Rs. 38,69,352, Rs. 8,96,295 have been reserved for renewals of lapsed grants for 1911-1912 and previous years, giving a Revenue Cash Balance at the close of the year of Rs. 29,73,057 of which Rs. 1,00,000 is required by law to be reserved and Rs. 9,25,000 represent the contribution to be paid to the City Improvement Trust on the 1st April 1912. The unhypothecated reserve cash balance thus amounted to Rs. 20,48,057.

II.—Income.

Income compared with 1910-11.

25. The rates of Taxation continued to be the same as in the preceding year. The income realized was however Rs. 4,59,640 in advance of 1910-1911 notwithstanding the very large falling off of Rs. 4,39,562 in the Receipts from Town Duties. The staple sources of Income, *viz.* "General Tax,"

"Halalkhore Tax" and "Wheel Tax" contributed mainly to the increase, though owing to careful administration, a satisfactory expansion occurred in our "Market receipts" and we were favoured with adventitious receipts from the C. I. Trust, "Premia" on our loans and "Miscellaneous receipts."

The variations have been fully dealt with by the Chief Accountant in paras. 25 and 26 of his report, where he as usual makes an estimate of the addition to our Income which may be expected permanently to recur. It will be seen that for the year under report this expansion is estimated at Rs. 3,30,000. The incidence of taxation per head works out to Rs. 10-13-2 against Rs. 10-11-0 in 1910-11.

Income compared with Estimates.

26. As compared with the Budget estimates, the receipts were in excess by Rs. 5,78,789 notwithstanding a decrease in the receipts from Town Duties of Rs. 3,08,506. The details of the variations will be found treated of in paras. 19-23 of the Chief Accountant's report which in my opinion sufficiently explain the causes underlying the variations.

27. As compared with the Revised estimates, the actual receipts were in excess by Rs. 1,82,789 due, as explained in para. 24 of the Chief Accountant's report, to—

(1) Reduction in outstanding balances.

(2) An under-estimate in (*a*) "Services rendered" and (*b*) "Market Receipts."

(3) Unexpected sales of land.

(4) Excess receipts from interest on investments consequent on increased income and reduced expenditure.

I am satisfied that on the whole the estimating was efficiently carried out.

III.—Expenditure.

Expenditure compared with grants.

28. Excluding Rs. 5,00,000 specially voted for writing off a portion of the unadjusted Plague expenditure of Rs. 9,10,052 advanced from Loan Funds, the expenditure amounted to Rs. 1,14,84,562 against sanctioned grants aggregating Rs. 1,27,73,556. There was thus an unexpended balance of Rs. 12,88,994 of which grants aggregating Rs. 8,96,295 require to be renewed, leaving a net saving of Rs. 3,92,699.

Savings and Renewals.

29. The Chief Accountant has exhaustively dealt with the large savings in expenditure and the heavy renewals of grants in paras. 37-40 of his report.

The Chief Accountant's criticism shows that there is room for improvement in both directions. The lapses and savings in two successive years, though they are due in many cases to the anxiety of the Departments to carry out works which for various reasons they have been unable to execute, should approach the unavoidable much more nearly than they do.

As pointed out by the Chief Accountant, labour troubles in England were in some cases responsible for the failure to carry out works.

Additional grants.

30. In regard to "Additional grants" it will be seen that this feature of our financial policy is assuming a healthier appearance and endeavours are being made in 1912-13 to keep such grants within still narrower bounds.

Comparison with 1910-11.

31. As compared with the preceding year there were increases in expenditure under certain heads aggregating Rs. 4,24,467 and decreases amounting to Rs. 2,21,777 under others, resulting in a net increase of Rs. 2,02,690. The variations and the reasons underlying them will be found to be dealt with in para. 41 of the Chief Accountant's report.

32. In para. 43 of his report the Chief Accountant estimates the permanent increase in expenditure at Rs. 1,87,000 distributed as follows :—

Public Works Department	Rs. 61,000
Public Health Department	„ 6,000
Pensions	„ 17,000
Contribution to C. I. Trust	„ 30,000
Debt	„ 68,000
Fire Insurance Fund	„ 5,000
	Rs. 1,87,000

IV.—Financial Position.

General financial position.

33. With an ascertained permanent increase in Income placed at Rs. 3,30,000 and an increase in expenditure of only Rs. 1,87,000 we have reached a sounder position than that of a few years back, and this position will be carefully considered when our future requirements are framed.

The general financial position has been reviewed in paras. 91-95 of the Chief Accountant's report and I am in general agreement with the favourable conclusions which he considers himself justified in drawing. With a carefully watched expenditure, with a very considerable increase in the assessment of Mills, which has been arranged after many years' discussion, with the approaching opening of the new docks and of improved railway facilities, both of which may be expected to increase the volume of trade and with a margin of borrowing powers exceeding two crores of rupees, our financial position is based on a thoroughly sound foundation. It is, however, necessary to remember that this position is due to the steady increase in our rateable wealth and that expenditure must not be allowed to exceed the expansion in our rateable value that can fairly be anticipated.

V.—Loan and Plague Expenditure.

Loan and Plague Expenditure.

34. The expenditure on Loan Works amounted to Rs. 19,70,182, against Rs. 25,08,991 in the preceding year, the decrease principally being under Buildings and Sanitary structures, Roads and Overbridges and Cemeteries. There was a large lapse on both the original and the revised estimates as pointed out by the Chief Accountant in para. 56 of his report and measures have been taken to reduce the loan balances to a figure nearer our estimated requirements by postponing the raising of the second instalment of 25 lakhs of the 55 lakhs loan in 1912-13.

35. The expenditure on Plague Measures during the year amounted to Rs. 1,55,903 showing a decrease of Rs. 31,331 on the expenditure of the previous year which also showed a considerable decrease on the preceding year. Although it must for many years be necessary to guard against the possibility of a recrudescence, I hope that, with the care that is exercised by the Health Department, the previous annual figure of Rs. 2,00,000 will be again only reached in exceptional years.

VI.—Debt and Sinking Fund.

Debt.

36. During the year the first instalment of Rs. 30 Lakhs of the 55 Lakhs Loan for miscellaneous works was raised.

37. The payment made by the Municipality during the year towards the reduction of debt amounted to Rs. 1,27,400. The Capital Liabilities of the Corporation were increased on account of the raising of the above loan from Rs. 5,62,88,147 in 1910-11 to Rs. 5,91,60,747 during the year.

Sinking Fund.

38. Against this debt, the total Sinking Fund invested up to the close of the year amounted to Rs. 1,15,36,138, leaving a net debt liability of the

Corporation at the close of the year at Rs. 4,76,24,608. From Appendix No. 7A attached to the Chief Accountant's report, it will be seen that the aggregate total of the different Sinking Fund Investments on 31st March 1912 was in excess of the amount which should have accumulated for the purpose for which the funds have been created by Rs. 6,971-3-2. The market value of the investments on the whole is also well in advance of the face value (*vide* para. 55 of the Chief Accountant's report).

VII.—Assets and Liabilities.

39. The Assets and Liabilities of the Municipality at the close of the year as compared with the preceding year stand as follows :—

	At the close of 1910-11.	At the close of 1911-12.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
Assets	8,36,86,871	8,90,66,629	53,79,758	.....
Liabilities	5,90,66,678	6,19,76,026	29,09,348	.....
Excess of Assets over Liabilities.	2,46,20,193	2,70,90,603	24,70,410	.....

The distribution of the Assets and the reasons for the increase in Assets and Liabilities are given in paras. 59 and 60 of the Chief Accountant's report.

The total liabilities of the Municipality, after deducting the amount of Rs. 17,15,289, shown as book-value of the lands at Agripada, &c., transferred to the Bombay Improvement Trust, which merely appears on the Liability side for book-keeping purposes, amount to Rs. 6,02,60,736, of which Rs. 5,91,60,747 represent the Capital debt, Rs. 7,77,220, Contractors' and other deposits and Rs. 3,22,769 undischarged liabilities and miscellaneous items.

Suspense Accounts.

Reserve Stores.

40. During the year there was a further decrease in the balance of our current stores, which it will be seen from para. 86 of the Chief Accountant's report has been consistently reduced from Rs. 4,58,000 in 1907-08 to Rs. 3,07,000 in 1911-12. We have also reduced the balance of surplus and obsolete stores from over Rs. 4,00,000 to Rs. 35,423, and this will be further reduced in 1912-13. This reduction, which has been largely due to the constant personal supervision of the Chief Accountant, is very satisfactory.

I am satisfied that the establishment of a Central Stores has justified itself and that the existing methods of dealing with this advance account are efficient.

Miscellaneous.

41. The miscellaneous advances seem to be reasonably small. The two items relating to the Tramway Company, which the Chief Accountant refers to in para. 82 of his report, will be dealt with this year.

Workshops.

42. There was a profit in the Workshops during the year of Rs. 2,122 against Rs. 126 in 1910-11. This profit is chiefly satisfactory as indicating careful management in the Workshops.

Test Audit.

43. This is fully dealt with in paras. 96-103 of the Chief Accountant's report. Although the working of the test audit is of necessity occasionally irksome to the Departments whose work is examined and though the criticisms passed must be at times mistaken, I am satisfied that the test audit is of real value in helping the Commissioner to gauge the financial aspect of departmental requirements. The expense of the test audit is extremely small compared with the financial saving directly or indirectly due to it.

Miscellaneous Funds.

The Premia.

44 The Net Premia, Fire Insurance and Worn-out Water Mains Renewal Funds were all in a satisfactory condition at the close of the year, as will be seen on a reference to paras. 67-69 of the Chief Accountant's report. The amount to the credit of the Net Premia Fund stood at Rs. 1,44,916 at the close of the year showing an increase of Rs. 64,208 over the preceding year. This amount is sufficient to meet any possible discount on Loans in the near future and I regard this fund as very valuable. The yearly contribution towards the Municipal Buildings Fire Insurance Fund was enhanced from Rs. 5,000 to Rs. 10,000 during the year and stood at the close of the year at Rs. 1,50,756. The balance in the Worn-out Water Mains Renewal Fund stood at 31st March 1912 at Rs. 5,39,208, a slight decrease, but the fund is amply large enough for present requirements.

Fire Insurance Fund.

Water Mains Renewal Fund.

Water Works Income and Expenditure.

45. This account shows a surplus of Rs. 1,89,497 against Rs. 1,30,384 in the preceding year.

Street Improvement.

46. The subject of Street Improvement has been dealt with in para. 90 of the Chief Accountant's report. This question has been engaging my earnest attention and proposals will shortly be made for raising a special loan to meet the increasing liabilities.

Fire Tax.

47. The surplus to the credit of the Fire Tax amounted at the close of the year to Rs. 97,064 (*vide* para. 104 of the Chief Accountant's report).

48. As required by the Standing Committee's Resolution No. 12212, dated 3rd February 1892, the net Revenue and net Expenditure for 1911-12 and the preceding year are given in the following statement :—

Particulars.	1910-11.	1911-12.
Net Revenue after deducting Refunds, Drawbacks and Charges in respect of Assessment and Collection and granting of Refunds.	Rs. a. p.	Rs. a. p.
General Tax	42,50,171 14 3	46,30,929 6 3
Fire Tax	34,783 11 0	53,868 15 8
Wheel Tax and Tolls	4,66,316 1 4	4,63,817 0 0
Town Duties	15,54,050 12 7	11,22,797 5 8
Receipts from Government for Liquor Licenses and Tobacco Duty	4,03,657 6 7	4,22,646 1 8
Water Revenue (net)	1,30,384 5 4	1,89,496 8 11
Market Receipts	3,15,098 13 9	3,72,747 8 7
Returns from other Property and Miscellaneous	4,54,706 8 7	5,85,247 9 1
Net Receipts ... Rs.	76,09,169 9 5	78,41,550 7 10
Net Expenditure after deducting Receipts.		
General Superintendence	2,55,777 1 10	2,56,527 9 1
Public Gardens	79,067 13 10	56,098 0 6
Public Works (Engineer's Department, excluding Water Works)	18,50,305 0 3	18,30,343 4 9
New Works (excluding Water Works)	1,52,322 9 3	1,87,739 3 7
Public Health Department (excluding Markets)	5,48,046 13 7	5,11,349 15 5
Municipal Debt (excluding Water Works)	16,95,295 5 5	17,43,466 5 10
Education	4,17,124 5 5	4,20,303 15 9
Hospitals	4,64,416 5 8	4,72,857 9 1
Pensions, Gratuities and Compassionate Allowances	46,298 15 10	32,683 10 4
Miscellaneous	1,67,003 8 1	1,38,050 0 10
Contribution to the City Improvement Trust	8,35,000 0 0	8,65,000 0 0
Plague Expenses	1,87,234 5 11	1,55,903 0 0
Net Expenditure ... Rs.	66,94,892 5 1	66,70,322 11 2
Surplus	9,14,277 4 4	*11,71,227 12 8
Total ... Rs.	76,09,169 9 5	78,41,550 7 10

* This amount includes Rs. 5,00,000 sanctioned for writing-off a portion of the Plague Expenditure paid out of Loan Funds.

49. The Revenue, Expenditure and Balances of the last five years have been contrasted in the following table :—

	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.
	Rs.	Rs.	Rs.	Rs.	Rs.
Revenue	(*a*) 98,89,325	(*e*) 1,02,86,048	(*h*) 1,12,13,864	(*k*) 1,21,96,149	(*m*) 1,26,55,789
Expenditure	(*b*) 1,01,89,201	(*f*) 1,06,30,126	(*i*) 1,13,97,050	1,12,81,872	(*n*) 1,14,84,562
Closing balance (including recoverable advances to Loan Works, Reserve Stock, &c., and excluding Minor Deposits, &c.) ..	(*c*) 33,08,581	(*g*) 30,38,590	(*j*) 28,55,404	(*l*) 36,58,663	(*o*) 43,29,894
Add—Recoverable Revenue outstanding ...	81,554	1,17,761	1,01,232	1,05,400	62,797
	33,90,135	31,56,351	29,56,636	37,64,063	43,92,691
Deduct—Uncompleted Works, &c., and unexpended balances of the grants which were required for payment in the following year ...	(*d*) 8,03,239	7,12,338	5,67,953	6,61,178	(*p*) 8,96,295
Net Workable Balance available for requirements of the following year ...	(*c*) 25,86,896	(*g*) 24,44,013	(*j*) 23,88,683	(*l*) 31,02,885	(*o*) 34,96,396

(*a*) Although the General Tax and Water Tax were reduced from 8⅝ % and 4 % to 8 % and 3½ % respectively during the year, the Income shows an increase.

(*b*) Includes non-recurring factors, such as the purchase of Petrol Motor Engine and Tender, repairs to Bhandarwada Reservoir, arrears of rent due to Government for land at Paltan Road, arrears of Police charges due to Government, Grain Compensation and loss on sale of unserviceable stores.

(*c*) Excluding Rs. 6,96,015 on account of the value of Reserve Stock on hand on 31st March 1908, the net closing balances amounted to Rs. 26,12,566 and Rs. 18,90,881, respectively.

(*d*) Includes the large amount required to be renewed for New Works not taken in hand or under construction during the year.

(*e*) Includes large increases in Property Taxes and Miscellaneous receipts.

(*f*) Includes large increases principally under Public Works, New Works, Health Department, Contribution to the City Improvement Trust and Debt.

(*g*) Excluding Rs. 7,25,152 on account of the value of Reserve Stock on hand on 31st March 1909, the net closing balances amounted to Rs. 23,13,438 and Rs. 17,18,861, respectively.

(*h*) In this year the General Tax was raised from 8 to 9⅛ %. There was also an increase in the Town Duties.

(*i*) Includes large increases principally under General Superintendence, Public Gardens, New Works, Contribution to the C. I. Trust, Education, Miscellaneous and Debt.

(*j*) Excluding Rs. 6,58,864 on account of the value of Reserve Stock on hand on 31st March 1910, the net closing balances amounted to Rs. 21,96,540 and Rs. 17,29,819, respectively.

(*k*) In this year the General Tax was raised from 9⅛% and Fire Tax from ⅜% to 10⅛% and ½% respectively. The Town Duty on grain also was increased from As. 4 to As. 6 and the maximum duty of 2 As. per Khandy imposed on firewood.

(*l*) Excluding Rs. 5,09,340 on account of the value of Reserve Stock on hand on 31st March 1911, the net closing balances amounted to Rs. 31,49,323 and Rs. 25,93,545, respectively.

(*m*) Notwithstanding that the rates of taxation continued to be the same as in last year, there were large increases under "Taxation proper" and "Services rendered" and also under "Returns from Property & Miscellaneous"

(*n*) Includes increases principally under Public Works, New Works, Health Department, Contribution to the C. I. Trust and Debt.

(*o*) Excluding Rs. 4,60,542 on account of the value of Reserve Stock on hand on 31st March 1912, the net closing balances amounted to Rs. 38,69,352 and Rs. 30,35,854, respectively.

(*p*) Includes the large amounts required to be renewed under Fire Brigade, New Works and Public Health on account of supplies of engines, pipes, motors, etc., having been delayed owing to strikes in England.

IV.—Assessment and Collection of Revenue.

50. The total amount collected under all heads exclusive of miscellaneous receipts and toll fees was Rs. 85,65,972-1-8 against Rs. 80,67,369-5-1, showing an increase of Rs. 4,98,602-12-7. The final gross assessment was Rs. 5,36,02,464 against Rs. 5,20,51,478. This was assessed on 59,721 properties against 59,928 properties in the previous year. The decrease of 207 properties is due to the cancellation of sub-numbers of buildings demolished, sites of which are now assessed under the original ward numbers. The assessment for General Tax was Rs. 4,60,48,890 against Rs. 4,46,21,845 for the previous year, giving an increase of Rs. 14,27,045. The number of buildings newly erected, demolished and enlarged was 773, 958 and 339 respectively. Complaints against assessment were 5,737 against 3,978 in the previous year. The demand for the water rate was Rs. 20,16,354 against Rs. 19,46,175, showing an increase of Rs. 70,179.

51. The demand for Halalkhor service was Rs. 13,06,569 against Rs. 12,52,701, showing an increase of Rs. 53,868. In all the total demand for Property Tax was Rs. 82,49,940. From this sum Rs. 49,574 were allowed as $\frac{1}{5}$th draw-back of the General Tax, the result of 7,702 claims. The outstanding on the 31st March 1912 was Rs. 4,867 on account of former years and Rs. 63,247 for the year under report, making a total outstanding of Rs. 68,114 against Rs. 1,13,571 for the previous year.

52. The tax on vehicles and animals showed an increase, the demand being Rs. 2,15,054 against Rs. 2,08,845 in the previous year. Out of the total demand, including previous years' arrears, of Rs. 2,17,063, Rs. 2,643 were outstanding at the end of the year. 624 motor cars and 63 motor cycles were assessed to the tax, the tax on bicycles and tricycles having been abolished. Measures are being taken to ensure the taxation of all motor cars.

53. The miscellaneous receipts amounted to Rs. 35,916 against Rs. 34,099, while the receipts from the toll rights at the Mahim and Sion Causeways amounted to Rs. 21,100 against Rs. 20,500 in the previous year.

54. There were 2 appeals to the Chief Judge of the Small Causes Court, which were settled out of Court and withdrawn by the appellants.

55. The work of the Department, which is very heavy, was satisfactorily performed, and the small total of outstandings was creditable to the staff.

REVENUE AUDIT.

56. The books and balances of the Ward Clerks in the seven Ward Offices were duly examined at the end of each quarter, and the bills were checked in detail after comparison with the Head Office Accounts. The Assessment Books in the Head Office were also examined to ascertain that no property liable to taxation had escaped assessment. The Vehicle and Animal Tax Book maintained under Section 186 of the Municipal Act was examined and checked. The revenue from the tax on Public Land Conveyances licensed by the Commissioner of Police under Act VI of 1863 was audited and certificates of issue of licenses supplied by that Officer checked with the Register kept in the Chief Accountant's Office. The books of the Toll Farmers at Sion and Mahim Causeways were checked as were the revenue receipts and vouchers of the different departments. The number of claims to $\frac{1}{5}$th draw-back under Section 158 (2) of the Municipal Act scrutinized aggregated 7,702, of which 3,391 were admitted. The number of complaints against valuation under Section 163 of the Municipal Act heard by the Revenue and Refund Audit Officer aggregated 898. The number of decisions on complaints against amendments under Section 167 of the Act scrutinized amounted to 362. The number of claims sanctioned for refund on account of vacancy under Sections 174 to 179 of the Act, and on account of over collections aggregated 1,999, representing Rs. 63,471-13-9.

TOWN DUTIES.

57. The total collections for the year amounted to Rs. 31,48,247-10-8 against Rs. 34,49,545-8-0 for the previous year, while the amount refunded was Rs. 17,95,040-11-0 against Rs. 18,57,376-1-0, the net revenue being thus Rs. 13,53,206-15-8 against Rs. 15,92,169-7-0 in the previous year, showing a decrease of Rs. 2,38,962. The proportion of the amount refunded to the total originally collected was thus 57 per cent. against nearly 54 per cent. in the past year. The decrease in the net revenue is chiefly attributable to the falling off in the import of sugar. In the year 1910-11 the net revenue derived from sugar was Rs. 4,46,837-7-8, while the revenue derived during the year under report amounted to Rs. 1,49,829-12-1, showing a decrease of Rs. 2,97,007-11-7. The number of refund claims was 50,906 against 55,161 in the previous year. This was due to the heavy imports of the two previous years, and the failure of the Beet sugar crop in Europe, which led to re-exports, as well as to reduced imports. The Town Duty Refund Rules were revised during the year, but their application was postponed until the beginning of the year 1912-13.

V.—Public Works.

DRAINAGE.

58. The engines and pumps at the Love Grove Pumping Station worked fairly satisfactorily during the year. Owing to the short rainfall the amount of sewage lifted at the various stations throughout the city was less than in the previous year. The Screening and Dredging Chambers and the New Engine House at Love Grove made good progress, and the machinery should be fixed and in working order in the present year. The new chimney at Love Grove was completed during the year. The scheme for the New Low Level Sea Outfall at Love Grove was referred to Sir John Wolfe Barry for opinion. His report was still under consideration of the Engineering Department at the close of the year. Nothing has yet been done towards the removal of the rocky barrier outside the Storm Water Channel at Love Grove. But with the disposal of the sewage further at sea, and the diversion of the Storm Water Channel itself to Worli, which is under consideration, this work will not be necessary.

59. The machinery at the Colaba Air Compressor Station and the Ejector Stations served from it worked satisfactorily during the year.

60. The machinery at the Love Grove Air Compressor Station and the several Ejector Stations in the Parel, Chinchpokly, Agripada, Malabar Hill and Mazagon Districts also worked satisfactorily during the year.

61. The erection of the New Ejector Station containing two ejectors of 1,000 gallons capacity each at Elphinstone Road and the laying of the new sealed sewage main from it to the head of the gravitating sewer in Worli Road was completed, and the ejectors were started on 27th April 1911. The old 700 gallon ejectors were thereafter removed for use at Tank Bunder.

62. Very great progress was made during the year with the High Lands Drainage Scheme, the Storm Water Drain in Parel, Connaught and Reay Roads being so advanced as to be ready for use in the monsoon of 1912. A connecting new drain was also put down in Victoria Road. The rapid execution of this work is creditable to all concerned.

63. Good progress was made with the work of the Ejector Stations in Colaba. Many other works were carried out during the year, the details of which are given in the Executive Engineer's report. The work of house drainage street connections went steadily on, 295 connections being made during the year. This work will continue with the erection of new premises, and the extension of the sewered area, although the enforcement of water closets in place of basket privies in existing buildings has been stopped, except in urgent cases, till the water-supply is improved. 96 storm water connections were also made. Action was taken to get properties in the Malabar Hill District connected with the new sewers ; out of 56 notices the works in 41 have been already completed, and in the remaining cases the works are in progress. 44 common-house gullies had been re-modelled up to the end of the year.

REGULATION OF STREETS AND BUILDINGS.

64. The number of applications for permission either to build or rebuild houses, etc., aggregated 3,404 against 3,237 during the past year. 5,909 notices were issued on house-owners under various sections of the Municipal Act. This number is less than the previous year's total by 420. In 1,608 cases prosecutions were instituted in the Magistrates' Courts against house-owners for not complying with the terms of notices served upon them, against 1,664 in the previous year. Out of these in 899 cases the parties complied with the Municipal requirements before the service of summonses, and the cases against them were therefore withdrawn. Out of the remaining cases in 202 the parties were warned and discharged. In 390 cases they were convicted and fined, and 117 cases were pending at the close of the year. It will thus appear that, although the Municipal Officers withdrew cases wherever it was reasonable to

do so, the Magistrates, in 34 per cent. of the cases in which they found that an offence had been committed, inflicted no penalty. This matter has been separately represented. 274 notices were issued for the removal of unsafe, dangerous or ruinous buildings ; 200 of these were complied with either partly or wholly and in 20 cases structures were removed by the Municipality, and 54 cases were pending at the close of the year. 11 buildings or parts of buildings fell down before they were observed by the Building Department ; in 9 cases no injury was done, and in the remaining 2 cases 4 persons were killed, and 4 were slightly injured. Action was taken for the removal of 850 inflammable and insanitary huts, of these 783 were removed and 67 cases were pending at the close of the year. Only 7 cases had to be submitted to the Standing Committee for the removal of unauthorised works. 8,838·33 square yards of ground, estimated to cost Rs. 3,03,859-0-10 was added to streets. This is the largest area added in one year, of recent years. Only a small portion of the cost incurred, however, represented additions in F and G Wards and, as before, many costly setbacks had to be taken in the older parts of the town, though only those which it appeared clearly advisable to enforce, were taken. The actual sum paid for setbacks, which of course included those enforced in previous years, was Rs. 3,55,329-10-0.

ROADS.

65. The area of roads metalled (full metalling and full patching) during the year was 5,679,294 square feet at a cost of Rs. 2,52,484-7-10, rates for full metalling and full patching working out at 8·53 and 6·77 pies per square foot respectively, a satisfactory figure. The operations of the Bombay Electric Supply and Tramways Co., Ltd., the Gas Co., the Telephone Co., the Water and Drainage Departments, etc., caused nearly 24 miles of road surface out of a total of about 164 miles of road in the City to be disturbed. On account of greater facilities for obtaining tar a much larger area of road surface was tar-painted during the year than in previous years, and this treatment of roads proved eminently successful in providing a good surface, and in reducing the dust nuisance. It is, however, somewhat slippery for horses, and it has still to be tested in a really severe monsoon. 18 roads comprising an area of 755,420 square feet were tar-painted at a cost of Rs. 13,460-5-5. The route along which Their Imperial Majesties passed on the occasion of their visit to Bombay was specially treated with Akonia, by the use of which the roads were rendered dustless without being slippery. The effect of this treatment was visible till the latter part of February.

66. A considerable area of new roads was taken over from the Improvement Trust during the year. The widening of the Queen's Road from Church Gate Street southwards was a great improvement, while the widening of Cruickshank Road and of a large portion of Victoria Road was also of importance. Some tree planting was carried out, but a good deal remains to be done; both in the planting and care of roadside trees. The condition of the roads was very fairly good throughout the year, and there was a marked reduction in complaints. The results are creditable to the Roads Branch.

67. Six street refuges were constructed and provided with gas lamps at the South-end of Wodehouse Road, the East-end of Fuller Road and the junction of Gowalia Tank Road, Altamont Road, Pedder Road and Hughes Road.

68. No new tram rails or extensions were laid during the year with the exception of some alteration of the main tracks at the Bori Bunder junction and the provision of a new siding across a portion of Bhatia Baug to facilitate the tramway service. The tram tracks were fairly well maintained. Most of the central electric tram poles along Hornby Road and Esplanade Road from Victoria Terminus to Apollo Bunder were removed and planted on the sides of those roads in order to provide a free and unobstructed central road for the Royal Procession. Most of the central poles at the Money School junction were also removed from their original positions to afford an

entrance to Kalbadevi Road. This removal to the side of the road has proved a considerable convenience to traffic.

OVERBRIDGES.

69. The construction of the Arthur Road Overbridge was completed during the year, and it was opened for traffic on the 27th December 1911. The work of constructing the east approach of the Elphinstone Road Overbridge, which was retarded in consequence of several High Court Suits brought against the Municipality, was almost completed at the close of the year. The suits tried by the High Court were decided in favour of the Municipality. The east approach of the Clerk Road Overbridge, G. I. P. Railway, was almost completed and the work of putting up the iron work on both abutments was in progress. The work of diversion of sewers, storm water drains and water mains in connection with the Currey Road Overbridge, G. I. P. Railway, was in progress at the close of the year. The remaining properties required for the Clerk Road Overbridge, B. B. & C. I. Railway, having been acquired the ovoid drains, sewers, storm water drains and water mains were being diverted. As soon as these works are done the Railway Companies will commence the actual bridge building at Currey Road and Clerk Road (B. B. & C. I. Railway). Several properties required in connection with the DeLisle Road Overbridge, B. B. & C. I. Railway, have been acquired, and Government have been requested to notify other properties to be acquired under the Land Acquisition Act.

70. Negotiations were proceeding with the Railway Companies with regard to the construction of the overbridge at Dadar, and it is hoped that arrangements for this important link will soon be completed. The certified expenditure for overbridges at the close of the year amounted to Rs. 12,51,350-9-6.

PUBLIC LIGHTING.

71. The total number of gas lamps at the end of the year was 5,337, an increase of 232 over the previous year, and the total number of Kerosine oil lamps was 1,833, a decrease of 15. The total cost of gas lighting amounted to Rs. 3,38,233-10-9, an increase of Rs. 17,463-2-0, and the net cost of Kerosine oil street lighting amounted to Rs. 33,236-6-10, a decrease of Rs. 10,108-8-8, the oil used being 125° Elephant Brand.

MUNICIPAL WORKSHOPS.

72. The Municipal Workshops kept in repairs numerous articles of plant and machinery used by different departments, and a large number of new articles were prepared there. As stated in previous reports, the work of this department is becoming increasingly arduous and important every year, as mechanical transport is being more largely adopted in the various departments of the Municipality, and the pumping and other drainage machinery at Love Grove and elsewhere is becoming more complicated and important every year. The department was most efficiently managed and showed an estimated balance in favour of the Workshops of Rs. 2,122-7-10 on the year's working. The bills preferred to the various departments amounted to Rs. 1,85,383-13-9. The work of constructing new Municipal Workshops at Foras Road has begun and the masonry and steel work of them is in active process of erection.

73. The three motor cars provided for the Engineering and Health Departments were in active use, running 14,075 miles between 1st June 1911 and 29th February 1912, at a running cost of 5·07 annas per mile. They have been of the greatest use to the departments concerned, and have justified their provision.

WORKS IN CONNECTION WITH PLAGUE MEASURES.

74. The sanitary, water and lighting arrangements at Health Camps erected by private parties and by the Municipality were, as in former years, provided at Municipal expense.

WATER WORKS.

75. As the Water Works Department has been separated from the control of the Executive Engineer, and placed solely in charge of the Hydraulic Engineer, the report of the Water Department is given separately in this year's report.

76. *Tansa Lake.*—The rainfall was 69·23 inches against 97·20 inches in 1910 and was 25 per cent. below the average. From the beginning to the end of the monsoon 52,700 million gallons of rain fell on the catchment area of 33,600 acres. Out of this quantity 27,130 million gallons or about 51½ per cent. of the total rainfall was received in the Lake.

77. The Lake began to overflow on the 1st August when the rainfall amounted to 33·36 inches and continued to overflow until the 8th September. The total quantity of water that passed over the waste weir was about 17,976 million gallons or about 66 per cent. of the quantity received in the Lake. The quantity of water delivered into the duct at the Lake was about 7,622 million gallons, of which 6,140 million gallons were received in the city, the balance 1,482 million gallons being lost by leakage, evaporation and overflow from siphon heads along the line. The total leakage found at visible leaks between Tansa and Ghatkoper amounted to 1·70 million gallons per day. These are being reduced so far as possible, but they cannot be altogether prevented until the provision of storage reservoirs renders it possible to cut off the supply for a few hours. The purity of the water in the Lake was satisfactorily maintained and there were no bursts or interruptions in the supply during the year.

78. *Vehar Lake.*—The rainfall was 60·27 inches against 77·50 inches in 1910 and was 29 per cent. below the average. The total rainfall on the catchment area of 3,900 acres amounted to 5,325 million gallons and it is estimated that about 2,781 million gallons or 52 per cent. of this quantity was received in the Lake. The Lake did not overflow during the year. This partial failure of the monsoon followed on a short rainfall in the previous year, while there was an absence of heavy downpours which would have filled the Lake. Owing, therefore, to the low level of water in the Lake it was found necessary to curtail the supply from Vehar to the extent of 3¼ million gallons per day. This curtailment, which was effected on the 7th November 1911, naturally gave rise to numerous complaints and accelerated the consideration of the question of duplicating the siphons from Tansa to Bombay to increase the supply to the City, which, as indicated in last year's Report, was already becoming inevitable. Active steps have been taken to ensure the early discussion and disposal of this question. The total quantity of water received in the City from the Lake through the 32″ and 24″ mains was 3,457 million gallons, giving an average of 9·44 million gallons per day. There were no bursts on the 32″ Vehar main during the year. The purity of water in the Lake was well maintained throughout the year notwithstanding the low level of the Lake.

79. *Tulsi Lake.*—The rainfall was 70·35 inches against 84·36 inches in 1910 or 33 per cent. below the average. The total rainfall on the catchment area of 1,700 acres amounted to 2,710 million gallons, and it is estimated that 1,597 million gallons or 59 per cent. of this quantity was received in the Lake. The Lake did not overflow during the year. The total quantity of water received in the City was 1,273 million gallons or an average of 3·48 million gallons per day. There were no bursts, accidents or interruptions in the supply throughout the year.

80. The question of utilising the supply in the Pawai Lake was seriously considered, but after a series of careful analyses, it was obvious that it would not be safe to mingle its water with the Vehar water and to bring it into the City. The question of the disposal of Pawai is under consideration.

81. The water-proofing works at the Bhandarwada Reservoir, which were commenced on the 26th March 1907, were completed during the year, resulting in a reduction of about 97 per cent. in leakage. These satisfactory results have led to similar works being undertaken at the Malabar Hill Reservoirs and filters, where the works were commenced on the 13th July 1911, and at the close of the year the work of plastering the 4 original filter beds was practically completed. In addition to several other works, the filtering area at Malabar Hill was enlarged to the extent of 150 square yards, and similar work is being done at Bhandarwada.

82. The work of renewing, enlarging and making additions to the water mains was steadily continued, 11½ miles of new pipes being laid during the year. In most cases these additions being in the form of larger mains meant a great improvement in the water-supply of the locality served.

83. 41 bursts were detected during the year against 76 during the past year and 117 during 1909-10, a satisfactory decrease, while 32 of these 41 bursts were on the small 3″ and 4″ mains. The number of new connections made was 629, while 225 were disconnected for various reasons, the total number of connections standing at the close of the year was 23,314. The number of cases in which the sanction of the Standing Committee was obtained for disconnections aggregated 304, but in 24 cases only the disconnections had to be enforced, the parties having complied with the Municipal requirements in the remaining cases.

WATER WORKS SPECIAL BRANCH.

84. 854 underground and 9,253 aboveground defects were detected and remedied. Some of these defects were of a very extensive nature. In consequence of the re-organisation of the Water Department the Special Branch was incorporated with the Ordinary Branch on the 1st March 1912.

85. Bearing in mind that the water-supply, which is in any case now inadequate to the demands of the City, had to be curtailed during a great portion of the year on account of the short rainfall, which also caused the mill tanks to be depleted, the supply was on the whole satisfactory. Complaints were met so far as possible, and many small defects remedied. The special demands caused by the Royal Visit and the consequent influx of visitors, and the requirements of the Fire Brigade were satisfactorily met.

GENERAL STORES DEPARTMENT.

86. The following figures show the value of stores purchased and issued during the year, including transfers and the balance in hand at the commencement of the year :—

Particulars.	General Stores.	Surplus and Obsolete Stores.	Line Suspense Account.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
The value of Stores in hand on 1st April 1911	3,46,154 10 7	43,086 12 0	1,18,731 13 1
The value of stores purchased or added including transfers during 1911-12	6,34,680 12 5	275 1 1	3,356 10 4
Total Value Rs. ...	9,80,835 7 0	43,361 13 1	1,22,088 7 5
Less—			
Value of Stores issued including transfers	6,82,215 2 1	8,643 5 6	7,137 1 0
Balance ...	2,98,620 4 11	34,718 7 7	1,14,951 6 5
Add—			
Discrepancies adjusted as per Clause 29 of the Stores and Stores Manual against rate adjustment account	142 9 4	.....	.....
Balance in hand on the 31st March 1912 ...	2,98,762 14 3	34,718 7 7	1,14,951 6 5

87. Details of the contracts entered into by the Stores Department for the purchase of different articles will be found in the Storekeeper's report.

88. The work of verifying the Stores was begun in August but had to be stopped on account of the death of the verifier in September. The unfinished work was again started in December but the final result of the verification was not ready at the close of the year.

89. The reduction in the amount of obsolete stores is satisfactory, but it should be possible to reduce the present amount.

90. The question of the amalgamation of the pipes depôt with the Central Stores must await the decision as to the disposal of the Bellasis Bridge Site, but it is hoped that some decision can be come to in the present year.

91. Captain Lacey retired from the post of the Storekeeper on the 31st October 1911, and Mr. E. J. Hale acted for the remainder of the year. The Corporation sanctioned an increase in the scale of the pay of the post, and a new incumbent has since been appointed. Mr. Hale considerably improved the condition of the sample room and storeyard while he was acting.

FIRE BRIGADE.

92. The Fire Brigade was maintained in a state of thorough efficiency throughout the year.

93. There were 134 calls to fires, of which 10 were false alarms. The number of fires, 124, was the largest recorded for many years, but the amount of damage would have been very much below the average had it not been for one great fire. In 71 of the fires, the Fire Brigade extinguished these, while in 53 they were put out before the arrival of the Brigade. There was no loss of life at fires. The total damage done by fire was estimated at Rs. 23,04,703, which was a large increase on the amount, Rs. 5,76,742, in the previous year, but was nevertheless below the average of the preceding five years. Of the amount of damage, Rs. 22,56,024 represented insured properties, and Rs. 48,679 uninsured. The amount of damage caused by the 71 fires extinguished by the Fire Brigade was Rs. 22,87,897, while the property in imminent risk at these fires was estimated at Rs. 1,19,47,585. Nearly the whole damage of the year was caused at a great fire at the Cotton Green, Colaba, on the 20th February, wherein 15 stacks of cotton were involved. The whole strength of the Fire Brigade was engaged, and it was only by the most strenuous efforts that the fire was got in hand, and its spread checked. The damage caused was just over 20 lakhs.

94. The plant during the year was increased by a motor turntable 80 feet ladder, and a motor car for the Chief Officer. One steam motor engine, one petrol motor engine, one petrol motor chassis and one fire escape were not delivered during the year on account of labour troubles, but have since been received. The new station at Elphinstone Bridge is nearly ready, and will shortly be opened. The provision of a more capacious station for the Fort, and of one at Dadar for the North of the Island will be the next to be taken in hand.

95. Telephone arrangements worked satisfactorily. After prolonged consideration the Corporation have decided to instal a system of fire alarms with telephones and 50 of these will be erected during the year.

96. The water supply at fires was satisfactory during the year. Although several members of the Brigade received injuries at fires, none of these proved serious.

97. Only one case of collapse of buildings occurred during the year to which the Fire Brigade were requisitioned. Five persons were extricated, of whom three were dead. A stack of cotton in the Cotton Green collapsed, burying five persons, of whom two were killed.

98. During the year Mr. W. Nicholls, the Chief Officer, went on long leave preparatory to retirement. His good services were alluded to in last year's report. Mr. T. C. Greenop from the London Fire Brigade was appointed

to take his place. Mr. Greenop is to be congratulated on the celerity with which he has grasped all branches of his charge, and on the state of efficiency which he has maintained.

99. The Head Foreman, Mr. G. F. Weston, was invalided during the year after very useful service.

PUBLIC GARDENS.

100. The number of Public Gardens maintained during the year was the same as in the past year. A small space was also maintained at Chaupati as a temporary Bandstand.

101. The number of visitors at the Victoria Gardens was practically identical with that in the previous year being 16,18,810 against 16,18,724. The work of renovating some of the lawns and of planting new trees and shrubs was satisfactorily continued, although the difficulty of obtaining good Malis and retaining them in service was felt as in previous years.

102. The new conservatory was furnished with plants during the year. The improvement of the storm-water drainage arrangements was continued.

103. Band performances given at the Victoria Gardens and at the Esplanade Bandstand continued to be popular. Performances were also given from October at the temporary Bandstand at Chaupati, put up on a plot of ground leased from the Improvement Trust. These are appreciated by persons frequenting Chaupati in the evening, but there is little available space around, without interfering with traffic. Free performances were given at the Victoria Gardens every alternate Saturday and performances with admission fees every alternate Wednesday or Thursday. The days for performances with admission fee were towards the end of the year changed to Saturdays, which permitted more persons of a respectable class to visit the Gardens and listen to the music than could do so on an ordinary week day. In all 14 performances with admission fees were given during the year. The number of visitors on these 14 days aggregated 17,288, the admission fees realised being Rs. 1,881-4-6. Acknowledgments are due to the Bombay Electric Supply and Tramways Company for continuing to carry the Bandsmen to the Victoria Gardens and Chaupati on Band days in reserved cars free of charge.

104. The Elephant and Camel rides continued to be popular. 7,338 adults and 12,226 children used the elephant against 5,219 adults and 10,947 children, and 397 adults and 343 children used the camel against 145 adults and 167 children during the previous year.

105. There were very few notable additions to the animals in the Victoria Gardens, while there were several deaths among the larger animals, mostly however from old age and other unpreventable causes. An outbreak of fowl cholera caused some mortality among the birds. The animals were, however, kept in good condition. A good many of the cages require to be renewed.

106. The Northbrook Garden and the Sir Cawasji Jehangir Garden at Mahim were utilized as Health Camps as in previous years.

VICTORIA AND ALBERT MUSEUM.

107. The Museum was open to the public during 313 days of the year. The total number of visitors was 8,24,590 against 7,61,722 during 1910-11, giving a daily average attendance of 2,635 against a daily average of 2,442 for the previous year. The increase would have been larger but for the Museum being partially closed for repair in the earlier part of the year.

108. The Natural History, Art, Ethnological and Archæological Specimens have been re-arranged and can now be seen to better advantage. Bromide prints of the Rock-Cut Caves in Western India have been added to the exhibits. Specimens of the Agate Industry of Cambay, and of the Cocoa-nut tree industry as well as examples of Carved Sandalwood and Inlaid work have been acquired. The collection of old photographs of Bombay has been

increased, and the two large plaster relief maps of Old and Present Bombay, presented by the Committee of the Old Bombay Exhibition, constitute an interesting acquisition. The work of arranging and labelling Geological and Fossil exhibits was satisfactorily continued, and the thanks of the Corporation are again due to Mr. F. H. S. Stone, Chief Officer of the P. & O. S.S. "Arcadia," for his kindness in presenting both Geological specimens, and Neolithic stone implements found in England. He also discovered Paleolithic Stone Implements in the ground of Government House, Malabar Point, which have been added to the Exhibition. A great deal of progress has been made in the printing and affixing of labels.

VI.—Public Health.

109. The Census of the City was taken on the night of the 10th March 1911. The total population enumerated was 9,79,445 representing 6,40,288 males and 3,39,157 females against 7,76,006 enumerated in 1901 and 9,77,822 enumerated in 1906.

110. The total mortality for the year exclusive of still-born births was 34,961 against 34,933 for the previous year. Although the mortality is slightly higher it was the lowest otherwise recorded since the appearance of plague in the City except for the year 1909 when the mortality was 34,878. The year was free from the incidence of any Epidemic disease except plague which caused 4,006 deaths against 3,656 last year. Cholera, Small-pox and Measles were prevalent to some extent. 123 deaths were attributed to Cholera, 443 to Small-pox and 652 to Measles. Tubercle of Lungs and Tubercular Diseases registered 2,694 deaths, being the lowest mortality from this disease in the history of the City. Taking into consideration a large influx of people from the famine-stricken districts and a large addition to the population on account of the Royal Visit and the functions connected with it, the condition of the Public Health was satisfactory. Vaccination amongst the Hajis was carried on with success, the total number of pilgrims vaccinated being 8,278.

111. The Executive Health Officer's report gives full details of the working of the Health Department and measures adopted to combat the Epidemic of plague and to check the spread of cholera, malaria and other diseases.

112. The number of births registered during the year was 21,376 against 19,939 in the preceding year, being the highest ever recorded.

113. The ten Municipal Dispensaries have continued to show satisfactory results and the ten Municipal Nurses and Midwives, attached to the ten Registration Districts, were fully occupied in attending on confinements, verifying births and in advising mothers on the care and rearing of infants.

LICENSES.

114. The total amount collected on account of License fees aggregated Rs. 1,00,486 against Rs. 87,806-8-0 collected during the preceding year, showing an increase of Rs. 12,680. This is the largest increase over the income of a previous year ever recorded. The number of Licenses issued were 8,019 against 7,540 issued during the preceding year.

115. The revised bye-laws in regard to Milch Cattle, Horse and Bullock stables are still under the consideration of the Corporation. A good deal has, however, been done to close or improve insanitary stables. The number of prosecutions instituted during the year was 3,127, out of which fines were inflicted in 681 cases—the amount of fines realised was Rs. 9,150-8-0. This is more than twice the figure ever previously realised from fines. It represents an average of Rs. 13-6-0 per case in which a fine was inflicted. In view of the high profits involved in the case of Milch Cattle stables, this is not yet an adequate figure.

116. The amendment of Section 394 of the Municipal Act, with its consequent re-classification of licensable commodities took effect during the year, but has not been yet fully applied.

117. Mr. P. P. Vagh took charge of the Department from the 1st April 1911. The year's results represent a great deal of hard work on the part of the Department.

MARKETS.

118. The total revenue from Markets and Slaughter-Houses amounted to Rs. 5,45,836-5-9 against Rs. 4,88,606-14-5 in the previous year, showing an increase of Rs. 57,229-7-4 derived from different sources as given below :—

		Rs.	a.	p.
Stall rents		6,537	15	6
Squatters fees from Fish Markets and Scale fees in the Crawford Markets Compound from Contractors, etc.		13,441	12	0
Slaughter fees, Butchers' license fees, etc.		39,022	5	10
Revenue from other sources		946	10	6
Total ...	Rs.	59,948	11	10
Less—Squatters' fees collected departmentally	„	2,719	4	6
Net Increase ...	Rs.	57,229	7	4

119. The increase in the stall rents is due to some of the stalls having fetched higher rents when sold by auction and to the occupation of some vacant stalls. The number of stalls vacant is still large in the Colaba, Fort and Erskine Road Markets, though there has been some improvement at the Fort Market. The increase in the squatters' fees, etc., was due to improved competition at the auction sales, especially for the Bandora Fair Ground Rent and feeding fees, which accounted for Rs. 9,200 of the increase. The increase of Rs. 39,022 in slaughter fees, etc., is due chiefly to the fact that on account of the expense of feeding animals in the present year a larger number were brought to Bandora for slaughter. The decrease of Rs. 2,719 in the squatters fees collected departmentally is due to the fact that the squatters in the Fort Market, who paid daily fees were induced to take stalls inside the Market, while those under the eaves of the Bhuleshwar and Erskine Road Markets were made to take up their sittings on quarterly rentals, thus contributing to the increase in stall rents already noted. Although the increase in slaughtering fees was so much as Rs. 35,474, this was chiefly accounted for by the number of buffaloes slaughtered increasing from 5,130, to 7,908. These were largely sent down from upcountry districts owing to the scarcity of fodder, and as they were not required for milking purposes, more were allowed to be slaughtered. The number of bullocks, cows and calves was 41,250 against 40,544, an increase of only 706, which would indicate that the famine did not cause much compulsory slaughter of stock. The number of sheep and goats killed rose from 6,60,545 to 6,93,688, which may have been in part due to the scarcity. There were also increases in license fees, ground rent, in the rent of chawls at the slaughter houses and in the amount received from the sale of blood.

120. The percentage of horned cattle rejected on account of unfitness at Bandora was about 4 per cent. as in the previous year, while that of sheep was about 2·4 against 2·3 per cent. in the previous year. Twenty-four buffaloes only were rejected. The system of rejection still requires to be placed on more complete lines.

121. The fines inflicted by the Presidency Magistrates amounted to Rs. 1,995-14-0 against Rs. 2,019, in the previous year, and were mostly on account of meat improperly brought into Bombay. The quantity of such meat seized and destroyed was 28,696 lbs. against 94,557 lbs. in the previous year. 108 convictions were obtained against 40 in the previous year. These figures show that the additional powers obtained by the amendment of the Municipal Act have proved successful in stopping the import of Kurla meat. The quantities now brought are chiefly in very small individual amounts. The total quantity of unwholesome food, particularly meat and fish destroyed as unfit for human consumption, was less than the last year, being 1,34,441 lbs. against 2,05,277lbs., the figures being fairly uniform with those of the previous year, with the exception of the decrease in contraband Kurla meat.

122. The meat supply on the whole was fairly good, while the vegetable and fruit supply was good and up to the usual standard.

123. Mr. L. W. Michael was appointed to the post of Superintendent from April 1911. During the three months' privilege leave which he enjoyed during the year he visited the markets and slaughter houses of several of the larger cities in England. Considerable improvements in the direction of cleanliness have been made during the year, and the Market coolies are now licensed and are given numbered badges. The work done by the Market staff in checking the unauthorised importation of meat deserves commendation.

VII.—Education.

124. The number of Municipal Schools and of pupils attending them showed a satisfactory increase, rising from 127 schools with 13,255 pupils to 142 schools with 15,861 pupils, which was spread over all the communities, though the increase in the numbers attending the Urdu Schools was very small.

Fifteen new schools were opened as follows :—

5	Marathi.
5	Gujarathi.
5	Urdu.
15	

125. The expenditure rose from Rs. 3,30,890 to Rs. 3,38,263. The increase of Rs. 7,373 is chiefly due to the opening of new schools, increase in rent and grant-in-aid. The year closed with a balance of Rs. 73,102. The total cost per pupil was Rs. 18·7 against Rs. 22·2 for the previous year.

126. The Committee have been able to send more students to several training colleges and to secure services of some additional trained teachers. The proportion of untrained teachers is still very large in the Gujarathi and Urdu Schools, and actually increased in the latter, showing the difficulty of obtaining properly trained men. The school buildings at Memonwada Road, Kumbharwada and Morland Road have been completed and handed over to the Schools Committee, and improved hired accommodation was obtained for fifteen schools.

127. The number of aided schools increased from 112 with 11,661 pupils to 126 with 13,621 pupils.

128. Fourteen new schools were registered under the Grant-in-aid Code during the year. A special school for the deaf and dumb conducted by Mr. Hari A. Date was allowed a grant of Rs. 500. The total grant paid to the schools increased from Rs. 36,053 to Rs. 40,674. There was a rise in the number of pupils from almost all the communities attending the schools, the largest proportional increase being in the Urdu Schools. On the occasion of the visit of Their Imperial Majesties a number of pupils from the Municipal Schools were selected by the Royal Visit Fund Committee for the singing of the National Anthem. The children were taken to the stands on the 2nd December to view the Royal Procession and to the Old Bombay Exhibition on the 4th December when souvenir cups, flags, and sweets were distributed amongst them. A copy of Their Majesties' likeness was supplied to each school and Coronation Medals were awarded to all children.

MUNICIPAL SERVANTS' ACT.

129. No circumstances arose in any department of the Municipality in which it was necessary to put into operation the provisions of the Municipal Servants' Act.

P. R. CADELL,
Municipal Commissioner
for the City of Bombay.

CHIEF ACCOUNTANT'S REPORT.

FOR 1911-12.

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FINANCIAL.

REPORT of Mr. W. E. Waite, Chief Accountant, for the financial year 1911-12, as forwarded with his No. 3829 of 5th August 1912.

I have the honour to offer the following remarks on the financial transactions of this Municipality for the year 1911-12.

2. The documents necessary for the preparation of my report were required to be submitted on the 15th of May 1912, but, as usual, many of them were not sent till very much later.

I could still further accelerate the submission of my report, but as long as Heads of Departments delay documents beyond the date fixed, so long will further improvement in this direction be retarded.

GENERAL RESULTS.

Rate of taxation.

3. During the year the rates of taxation remained stationary.

Income.

The resulting income amounted to Rs. 1,26,55,789 against Rs. 1,21,96,149 in the preceding year showing an increase of Rs. 4,59,640, which will be found dealt with further on under "Income."

Expenditure.

The expenditure of the year aggregating Rs. 1,14,84,562 shows an advance on the previous year of Rs. 2,02,690 and is dealt with under "Revenue expenditure."

Net result.

The net result of the year's transactions is a surplus of Rs. 11,71,227 which is better than the previous year by Rs. 2,56,950.

Plague write-off.

Out of this surplus, Rs. 5,00,000 have been utilized towards writing off of a portion of the Plague Expenditure of Rs. 9,10,052, which, for years, had been outstanding as an advance in Loan Funds.

Budget Estimates—(1) Income.

4. The original Budget Estimates of Income stood at Rs. 1,20,77,000. This was increased to Rs. 1,24,73,000 in the Revised Estimates, but the figures actually realized were Rs. 1,26,55,789, showing an increase of Rs. 5,78,789 over the original estimates and of Rs. 1,82,789 over the Revised Estimate.

Budget Estimate—(2) Expenditure.

5. The expenditure for the year, *viz.*, Rs. 1,14,84,562 shows a decrease of Rs. 5,25,657 on the original Budget Estimate of Rs. 1,20,10,219. As compared with the finally amended estimate of Rs. 1,27,73,556 (excluding the special grant of Rs. 5,00,000 to write off Plague expenditure outstanding) there remained an unexpended balance of Rs. 12,88,994, out of which renewals of grants to the extent of Rs. 8,96,295 are required to meet expenditure in 1912-1913 and future years, thus leaving a net saving of Rs. 3,92,699 on the final estimate for the year, after having already provided for a saving of Rs. 2,56,498 in the revised estimates of the year.

Opening and closing working balances.

6. Including recoverable advances to the extent of Rs. 1,32,303 for administrative purposes, and Rs. 6,61,178 reserved for the renewal of lapsed grants for 1910-11 and previous years, the year opened with a working cash balance of Rs. 31,49,323. It closed with a balance of Rs. 38,69,352, of which Rs. 8,96,295 represent the renewal of lapsed grants for 1911-1912 and previous years, Rs. 1,00,000, the minimum cash balance required by law, and Rs. 9,25,000 reserved to meet the contribution paid to the City Improvement Trust on the 1st April 1912.

Reserve Stores Stock.

7. The sum standing at the debit of "Reserve Stores Stock" at 31st March 1912, including Surplus and Obsolete Stores of the value of Rs. 35,423, aggregated Rs. 4,60,542, as compared with Rs. 5,09,340 (including Surplus and Obsolete Stores of the value of Rs. 43,087) at the beginning of the year. There was thus a further satisfactory decrease of Rs. 48,798.

Additional and lapsed grants.

8. The sums made available for expenditure during the year, in addition to the original Budget Grants, aggregated the very large figure of Rs. 9,89,835 of which Rs. 3,28,657 represented additional grants (including Rs. 2,19,473 for new works) and Rs. 6,61,178 renewed grants. The grants lapsing to Surplus Cash Balance requiring renewal in 1912-1913 aggregated Rs. 8,96,295 as compared with Rs. 6,61,178 renewed in 1911-1912.

Surplus Cash Balance.

9. Including all recoverable advances, except lapsed grants to be renewed in 1912-13 and Rs. 1,00,000 required to be reserved under the Act, the Surplus Cash Balance at the close of the year aggregated Rs. 28,73,057 against Rs. 23,88,146 at the beginning of the year, bringing out an increase of Rs. 4,84,911.

This surplus, as usual, includes the sum reserved for payment as contribution to the City Improvement Trust on the 1st April 1912 amounting to Rs. 9,25,000. At the date of writing, it had been entrenched on only to the extent of Rs. 88,769 during 1912-1913. These balances continue to be temporarily entrenched on and were at this date hypothecated to the extent of Rs. 12,51,513 to provide sums for projects payable out of loan funds, in the absence of such funds having been specifically provided for in a loan already raised.

Incidence of taxation.

10. The incidence of taxation per head based on the Census for 1911 during each of the five years ending with 31st March 1912 works out as follows :—

Year.	Rs.	a.	p.
1907-08	8	13	6
1908-09	8	14	9
1909-10	9	13	2
1910-11	10	11	0
1911-12	10	13	2

The small increase in the taxation per head during the year, the healthy expansion in our Income with a correspondingly healthy hold on our growing expenditure, and the establishment of our surplus balances on a satisfactory basis, are most encouraging signs and render it possible to consider whether the rates of taxation can be to some extent reconsidered.

Income outstandings.

11. The outstandings of rates and taxes at the close of the year 1911-12 stood at Rs. 71,112 against Rs. 1,16,050 in the previous year, thus showing a most satisfactory decrease of Rs. 44,938 as follows :—

Outstandings at	General Tax.	Water Tax.	Halalcore Tax.	Wheel Tax.	Meter Hire.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
31st March 1911 ...	63,710	27,358	22,503	1,767	712	1,16,050
31st March 1912 ...	27,819	22,819	17,476	2,644	354	71,112
	35,891 Decrease	4,539 Decrease	5,027 Decrease	877 Increase	358 Decrease	44,938 Decrease

Comparison with 1910-11— (a) Income.

12. As compared with 1910-11, the receipts for the year show an increase of Rs. 4,59,640. There was a severe falling off in the receipts from "Town Duties" amounting to Rs. 4,39,562, but this was more than counterbalanced by general increases, more especially in General Tax (Rs. 3,99,565), Halalkhore Tax (Rs. 59,747), Wheel Tax (Rs. 83,792), Market receipts (Rs. 56,606), Miscellaneous fees (Rs. 35.978), Payment by C. I. Trust under Section 79 of Act IV of 1898 (Rs. 1,07,749), Net Premia on Loans (Rs. 30,000).

(b) Expenditure.

13. Excluding the adjustment of Rs. 5,00,000 on account of arrear plague charges, the total revenue expenditure of the year shows a net increase of only Rs. 2,02,690 over the previous year, of which Rs. 40,840 represent "Investments," counterbalanced *per contra* under Income. There was also an extraordinary item of expenditure of Rs. 53,300 in 1910-11 for rebate to the C. I. Trust under Act IV of 1898.

Taking the real increase at Rs. 2,15,150 (Rs. 2,02,690—40,840+53, 300) this may be attributed broadly to—

(1) New works...	Rs.	54,069
(2) Health Department ...	,,	54,456
(3) Debt	,,	1,07,060
	Rs.	2,15,585

There was an increase of Rs. 30,000 in the contribution to the C. I. Trust, but this was counterbalanced by a most satisfactory decrease in Plague expenditure amounting to Rs. 31,331.

Debt.

14. The Municipal Debt at 31st March 1911 stood at Rs. 5,62,88,147. During the year the first instalment of 30 lakhs of the 55 lakhs loan for Miscellaneous works was raised, and Rs. 1,27,400 having been repaid, the balance payable at 31st March 1912 amounted to Rs. 5,91,60,747.

Sinking Fund.

15. Against the outstanding debt, the Sinking Fund Investments on the 31st March 1911 amounted to Rs. 1,04,68,216. To this were added during the year Rs. 6,26,655 on account of annual Sinking Fund Instalments and Rs. 4,41,267 on account of interest on the invested funds, bringing the total Sinking Fund Investments at 31st March 1912 to Rs. 1,15,36,138.

Borrowing Powers.

16. Allowing for the Sinking Fund of Rs. 1,15,36,138 against the outstanding debt of Rs. 5,91,60,747, the net debt liability is reduced to Rs. 4,76,24,609. Judged by the limit of double the rateable value (which stood at Rs. 4,89,99,734 on 1st April 1912), allowed under Section 109 (*b*) of the Municipal Act, the balance of our borrowing powers would amount to Rs. 3,88,38,721. A reference to para. 93 of this report will, however, show that taking the latest available data and allowing for the maximum rates of taxation leviable, our margin of borrowing powers is more correctly represented by Rs. 2,09,00,000.

Loan Works.

17. The original Budget Estimate was placed at Rs. 39,72,120. It was reduced at the time of the Revised Estimates and placed at Rs. 29,69,815, but the total expenditure incurred during the year amounted to only Rs. 19,70,182. Against the Budget Estimate of Rs. 48,96,754 and a Revised Estimate of Rs. 36,53,321, the actuals amounted during the previous year to Rs. 25,08,991.

Plague expenditure.

18. This continued to be financed from Current Revenue. The amount expended during the year was Rs. 1,55,903 against a provision of Rs. 1,99,433 and an actual expenditure during 1910-1911 of Rs. 1,87,234. The total expenditure of this Municipality for Plague purposes from the commencement of Plague Operations in 1896-97 to the close of the year aggregated Rs. 75,74,450.

INCOME.

Comparison between Budget Estimates and Actuals.

19. A detailed comparison between the Budget Estimates and the Actuals will be found in Appendix No. 2.

I have again to record that the Income exceeded the Original Budget Estimates by no inconsiderable figure. The net excess in the year under review was Rs. 5,78,789 notwithstanding a very material decrease of Rs. 3,08,506 in the receipts from Town Duties.

The gross increase amounted to Rs. 8,87,296 which is distributed as under :—

Taxation Proper	Rs.	2,57,004
Services rendered	„	90,817
Returns from Property and Miscellaneous	„	5,09,475
	Rs.	8,57,296
Premia received on the first instalment of Rs. 30 Lakhs of the 55 Lakhs loan raised in the year ...	„	30,000
	Rs.	8,87,296

Dealing first with the decrease in Town Duties a reference is invited to Appendices 3 & 3 C of my report from which it will be seen that the gross receipts from the imports of sugar into Bombay were slightly over Rs. 5,00,000 less than in 1910-1911 and the net revenue from this source amounted to only Rs. 1,49,830 against Rs. 4,46,837 in 1910-1911.

20. The increase under "Taxation proper" occurred under "General Tax" (Rs. 2,16,320), "Wheel Tax & Tolls" (Rs. 19,487) and "Licenses" (Rs. 17,302). The excess realizations under "General Tax" could not be anticipated when framing the original estimates. We received Rs. 1,58,773 as arrears of General Tax for 1910-1911 and 1911-1912 on the quinquennial revision of Government properties ; and to this has to be added a reduction of Rs. 35,891 in the "General Tax" outstanding at 31st March 1912 as compared with the corresponding period of 1911, thus accounting for an unexpected increase of Rs. 1,94,664 against the booked increase of Rs. 2,16,320. The increase of Rs. 19,487 in "Wheel Tax and Tolls" is due principally to an unexpected increase of 200, in the number of victorias plying for public hire yielding Rs. 12,600. The increase of Rs. 15,109 in the Income from "Licenses" is traceable in my opinion to a more systematic inspection of godowns and places for storing goods which had hitherto escaped the tax leviable.

21. The Water Revenue was originally put at Rs. 20,05,000 and in the Revised Budget increased to Rs. 20,55,000. The actuals amounted to Rs. 20,79,120. Taxation was maintained at the same level as in the previous year when the total revenue reached only Rs. 19,95,327. The steady increase in this source of revenue is once more accentuated. There was an obvious under-estimate amounting to about Rs. 26,000 in the original estimates in

the taxation on value. The revenue from Meters was also under-estimated, but this was due to defective information in the Water Works Department which I have more than once already commented on. I am glad to be in a position to state that this defect is now remedied.

The increase of Rs. 16,698 in receipts from "Halalkhore Tax" is due partly to the erection of a larger number of new houses in the City than anticipated and partly to an under-estimate in the first instance.

22. Large though the difference is, *viz.*, Rs. 5,09,474, between the original Budget estimates and the booked realizations under "Returns from Property and Miscellaneous" I cannot charge myself with undue pessimism in recommending them for your consideration and adoption. The increase of Rs. 69,805 under "Market Receipts" realised under the revised scale of fees and rents is such as could not have been foreseen as the revised scale was not in force when the estimates were prepared, nor had it been seriously considered. The "Miscellaneous Fines" are abnormally high being Rs. 23,381 against a normal receipt of about Rs. 12,000.

The very large increase of Rs. 73,859 under "Miscellaneous Receipts" might have been anticipated to a small extent by bolder estimating, but the financial conditions in 1910 did not warrant such a procedure. The receipts moreover were swelled abnormally by unexpected sales of Municipal land among which the most important were—

(1)	To C. I. Trust	Rs.	23,762
(2)	To Essoofally Mahomedaly at Hornby Road...	„	17,844
(3)	To G. I. P. Railway at Curla	„	6,743
(4)	To Government at Mint Road	„	4,795
(5)	To Haji Ismail Haji Hassan at the junction of Hornby Road and Church Gate Street ...	„	3,850
		Rs.	56,994

The receipts from "Miscellaneous Fees" again were abnormally high, being Rs. 1,52,381 (chiefly owing to increases in Gallery Projections) against Rs. 1,16,404 in 1910-1911 and Rs. 1,10,851 in 1909-1910. Owing to the concession granted by Government and the Corporation to allow temporary service under certain conditions to count for pension, arrear recoveries were made from the staff resulting in an excess of Rs. 24,017 under "Contribution from Municipal servants towards Pension, &c., Fund." An increase of Rs. 89,280 accrued under "Interest on Investments of surplus loan and other balances," but this is not surprising seeing that the expenditure on "Loan Works" was estimated to cost Rs. 39,72,120 and the actual expenditure was Rs. 19,70,182. I had no means whatever at my disposal in 1910 of estimating the payment of Rs. 1,60,364, which became payable to the Municipality from the credit balance outstanding in the C. I. Trust General Account under Section 79 of Act IV of 1898, nor could I prophetically assume in 1910 that the market for our Bonds would advance so as to yield us a premium of 1 per cent. on the loan of Rs. 30,00,000 raised in that year.

23. It will thus be seen that in the net increase of Rs. 5,78,789, this department had no means whatever at its disposal for anticipating the unusual features of the year to the following extent :—

		Rs.
	Increases.	
1.	General Tax	1,94,664
2.	Wheel Tax and Tolls	12,600
3.	Licenses	15,109
4.	Markets	69,805
5.	Miscellaneous fines	12,381
6.	Miscellaneous receipts	56,994
7.	Miscellaneous fees	47,381
8.	Contribution to Pension, &c., Fund	24,017
9.	Interest on investment of Surplus Loan and other balances	89,280
10.	Payment by C. I. Trust under Section 79 of Act IV of 1898	1,60,364
11.	Premia on loan	30,000
		7,12,595
	Decreases.	
	Falling-off in Town Duties	3,02,902
	Net Increase Rs.	4,09,693

Deducting this sum from the net increase of Rs. 5,78,789, it will be found that the under-estimate is reduced to Rs. 1,69,096 on a total estimate of Rs. 1,20,77,000 or a deviation of only 1·4 per cent.

II.—COMPARISON BETWEEN REVISED ESTIMATES AND ACTUALS.

24. From Appendix No. 2 it will be seen that in the revised estimates the total increase was advanced from the original estimate of Rs. 1,20,77,000 to Rs. 1,24,73,000, but the actual exceeded even this sanguine estimate by Rs. 1,82,789 or a deviation of practically only 1½ per cent.

The causes contributing to the variations on the original estimates were, in almost every case, correctly diagnosed except in the following cases:—

(1) "General tax"—where the unexpected reduction of Rs. 36,085 in the outstanding balances almost wholly accounts for the increase of Rs. 41,320.

(2) "Returns from services rendered" and "Market Receipts"—where the increase of Rs. 39,817 and Rs. 15,805, respectively, might, I admit on subsequently analysing results with anticipations, have been estimated in a more optimistic spirit.

(3) "Miscellaneous receipts"—where the still further increase of Rs. 23,859 on account of unusual sales of land could not be foretold.

(4) "Interest on investment of surplus loan and other balances"—where in consequence of large savings in loan and revenue expenditure, a further increase of Rs. 29,280 accrued.

III.—COMPARISON BETWEEN THE ACTUALS FOR 1910-11 and 1911-12.

25. The taxes were levied at the same rate as in the preceding year but the Income for the year (*vide* Appendix No. 2) exceeded that of the previous year by Rs. 4,59,640.

The variations were very marked, the increases under the different heads amounting to Rs. 9,04,073 and the decreases to Rs. 4,44,433.

Dealing first with the heavy decreases, it will be seen that this is represented practically entirely by the receipts from "Town Duties." I alluded in my report for last year (para. 20) to the " adventitious receipts " from "Town Duties " owing to the "very heavy consignments of sugar coming to port at the close of the financial year. " This naturally had a re-action in proportionately heavier refunds in 1911-1912 (*vide* Appendix No. 3 for 1910-1911 and 1911-1912) and the situation was rendered more unfavourable by the heavy decrease in imports of sugar in 1911-1912 (*vide* Appendix No. 3 C). The net result was a booked decrease of Rs. 4,39,562 in " Town Duties " alone.

Practically every other source of Income has expanded very materially and there is no retrograde movement visible anywhere. Receipts from " Taxation proper " " Services rendered " and " Returns from Property and Miscellaneous," all contribute towards maintaining the expanding character of our Revenues.

26. I attach as usual a statement showing as far as it is possible to show without the adoption of the " Assets and Liabilities " system of accounts, the increase in our three staple sources of Income, *viz.*, General Tax, Water Tax and Halalkhore Tax. After allowing for all principal factors of variation, the increase works out to Rs. 2,09,421, a most satisfactory result of the labours of the Assessment and Water Departments. In addition, I consider the following were permanent additions to our Income :—

Licenses...	... Rs.	14,000
Receipts from Tobacco duty	... ,,	19,000
Market receipts	... ,,	56,000
Public gardens	... ,,	3,000
Miscellaneous fines	... ,,	9,000
Miscellaneous fees	... ,,	20,000
		1,21,000
Add—		
General, Water, and Halalkhore Taxes		2,09,000
	Rs.	3,30,000

27. The permanent expansion of our revenues during 1911-1912 may, thus, be put at Rs. 3,30,000.

1910-1911.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
1. General Tax at 10⅛ per cent.—			
Total collections booked	45,76,754 5 9		
Less—			
Arrear recoveries	21,624 3 6		
	45,55,130 2 3		
Add—			
(1) Revenue appertaining to 1910-11 received in 1911-12	83,807 0 0		
(2) Outstandings for the year at the close of the year	61,366 8 3		
		47,00,303 10 6	
2. Water Tax and Miscellaneous Water Works Revenue at 3⅜ per cent. on rateable value.—Total collections booked	19,95,327 7 4		
Less—			
Recoveries for previous years	18,404 4 5		
	19,76,923 2 11		
Add—			
Outstandings for the year at the close of the year	26,183 5 10		
		20,03,105 8 9	
3. Halalkhore Tax—			
Total collections booked	12,32,950 8 5		
Less—			
Recoveries for previous years	7,621 7 0		
	12,25,329 1 5		
Add—			
Outstandings for the year at the close of the year	21,810 12 4		
		12,47,139 13 9	
			79,50,549 1 0

1911-1912.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
1. General Tax at 10⅛ per cent.—			
Total collections booked	49,76,319 8 5		
Less—			
Recoveries for previous years	1,73,687 14 7		
	48,02,631 9 10		
Add—			
Outstandings for the year at the close of the year	25,281 9 1		
		48,27,913 2 11	
2. Water Tax and Miscellaneous Water Works Revenue (3⅜ per cent. on the rateable value.)—			
Total collections booked	20,79,119 12 5		
Less—			
Recoveries for previous years	22,578 1 2		
	20,56,541 11 3		
Add—			
Outstandings for the year at the close of the year	21,692 4 10		
		20,78,234 0 1	
3. Halalkhore Tax—			
Total collections booked	12,92,697 9 6		
Less—			
Recoveries for previous years	9,035 3 1		
	12,83,662 6 5		
Add—			
Outstandings for the year at the close of the year	16,273 5 7		
		12,99,935 12 0	
			82,06,082 15 0

Net Income from Property Taxes for 1911-1912 ... ... Rs. 82,06,082 15 0

Deduct—

(1) Net Income from Property Taxes for 1910-11 ... ... Rs. 79,50,549 4 0
(2) Reduction in outstanding balances ... ... „ 46,112 6 11

„ 79,96,661 10 11

Net increase in 1911-12 over 1910-11 ... ... Rs. 2,09,421 4 1

OCTROI DUTIES.

28. As usual the various articles on which duty was levied at the time of import under the provisions of Section 192 (1) of the Municipal Act, the amount levied and the refunds allowed thereon under Section 192 (2) on their export are shown in Appendix No. 3.

The gross collections for the year were estimated at Rs. 31,50,000, the refunds at Rs. 16,00,000 and the net revenue at Rs. 15,50,000. The actual gross realizations were Rs. 31,48,249 but the refunds paid aggregated Rs. 18,76,209 or Rs. 2,76,209 more than the estimate. The balance at the close of the year being Rs. 12,395 more than the opening balance and a sum of Rs. 12,547 for the last week of March 1912 collected by the G. I. P. Railway in 1911-12 having been received in 1912-13, the net decrease on the original estimate aggregated Rs. 3,02,902.

The net revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 12,47,097 against Rs. 16,86,659 in the preceding year and the net realizations, after deducting the cost of collection, amounted to Rs. 11,22,797 against Rs. 15,54,012 in the previous year.

29. I attach as usual Appendix No. 3 A showing the net revenue derived from each dutiable article during the ten years ending with 1911-12 and also Appendix No. 3 B showing the actual collections, the refunds admitted, and the net revenue during the five years ending 1911-12.

30. I have this year added Appendix No. 3 C showing the gross collections for the year from each dutiable article month by month from each source with the total refunds admitted as compared with the figures for preceding year. It will be seen that the net decrease on the basis of gross collections and refunds admitted amounted to Rs. 2,38,961. Allowing, however, for the excess of refunds admitted in 1910-11 over refunds passed by this office and considering also the excess of refunds passed in 1911-12 over refunds admitted and further the differences in the opening balances of the two years and other minor fluctuations, the net decrease in 1911-12 on 1910-11 aggregated Rs. 4,39,562 as brought out in my accounts.

31. It will be perceived further that there were increases under Grain and Timber, but a very heavy decrease in Sugar. The decrease under Sugar was due to less imports owing to the failure of the beet crop in the sugar-growing countries.

REVENUE EXPENDITURE.

I. Grants for Expenditure from Current Revenue.

32. From Appendix No. 4 it will be seen that the grants originally sanctioned by the Corporation, under Section 129 of the Municipal Act, aggregated Rs. 1,20,10,219. To this were subsequently added (1) Rs. 3,48,963 on account of lapsed grants for 1909-10 and previous years, including transfers sanctioned in 1910-11 not utilized in that year and Budget grants for 1910-11, not wholly or partially utilized in that year and sanctioned by the Corporation in 1911-12, (2) Rs. 3,12,214 on account of lapsed grants for 1910-11, (3) Rs. 3,08,609 on account of additional grants sanctioned for purposes for which no specific grant existed, (4) Rs. 5,781 received by us in excess of the estimate on account of interest on Net Premia Fund Investments, (5) Rs. 14,267, being the amount of interest received in excess on Sinking Fund Investments, and (6) Rs. 30,000 received on account of Premia on the first instalment of 30 Lakhs of the 55 Lakhs Loan. A special grant of Rs. 5,00,000 was also sanctioned for the write-off of a portion of the unadjusted Plague expenditure of Rs. 9,10,052, advanced from Loan Funds. Excluding this extraordinary item and allowing for the saving of Rs. 2,56,498 taken credit for in the revised estimates, the total sanctioned grants for the year aggregated Rs. 1,27,73,556. Appendix No. 4 shows the additional grants sanctioned during the year at Rs. 3,58,657. This figure, however, does not convey a correct impression of the amount sanctioned for unforeseen expenditure.

33. When passing the Budget it was specifically stated that proposals should be brought up later by the Commissioner for an expenditure on New works (Water Works), of Rs. 99,700.

The following are mere book adjustments involving no actual expenditure though requiring a grant :—

(1)	Excess in interest on Net Premia Investments	,, 5,781
(2)	Excess in interest on Sinking Fund Investments	,, 14,267
(3)	Premia received on Loan of 30 Lakhs	,, 30,000
		Rs. 1,49,748

The total extra grants being Rs. 3,58,657, the extra grants for unanticipated outlay thus aggregated Rs. 2,08,909 (Rs. 3,58,657—Rs. 1,49,748). Excluding book adjustments the extra grant in 1910-11 was Rs. 2,85,308, so that during the year under review a still further advance was made in restricting the additional grants sanctioned from Surplus Cash Balance.

34. The transfers made from one Budget head to another without in any way affecting the total Budget provision for the year amounted to Rs. 94,612.

35. The principal items above Rs. 10,000 for which additional grants were voted are as under :—

		Rs.
(1)	Cost in connection with the improvements of roads, &c., at the Bhatia Baug	20,039
(2)	Cost of rendering reservoirs and filters at Malabar Hill water-tight, purchasing a motor weed-cutter boat for Vehar and Tulsi lakes, removing jungle along Tansa Duct, laying mains in different streets.	99,700
(3)	Cost of payment to the B. E. S. and Tramway Co., for removing central poles on the Esplanade and Hornby Roads as far as the Victoria Terminus	13,500
(4)	Excess anticipated in the expenditure in respect of pensions, gratuities, &c.	17,000
(5)	Cost of building 5 Kutchra wagons...	15,000
(6)	Charges in connection with the presentation of an address of welcome to Their Imperial Majesties the King-Emperor of India and the Queen-Empress	18,000
		Rs. 1,83,239

II. Comparison between the Grants as finally sanctioned and Actuals.

36. As stated in para. 32 the grants made finally available for expenditure during the year aggregated Rs. 1,27,73,556, a very material advance on the preceding year (Appendix No. 5). The total expenditure actually booked amounted to only Rs. 1,14,84,562, leaving the unprecedentally high unexpended balance of Rs. 12,88,994. Rs. 8,96,295 are required to be renewed for expenditure in 1912-13, leaving a saving of Rs. 3,92,699 or 3·30 per cent. on the total sanctioned grants *minus* renewals, against 2·01 in the preceding year.

The following figures show the percentage of savings to sanctioned grants for the last five years, making no allowance for renewals :—

Year.	Final sanctioned grants after deducting savings taken credit for in the Revised Estimates.	Unappropriated net savings.	Percentage.
	Rs.	Rs.	
1907-1908 ...	1,11,62,694	1,70,253	1·52
1908-1909 ...	1,15,21,022	1,78,558	1·55
1909-1910 ...	1,21,36,875	1,71,872	1·42
1910-1911 ...	1,21,74,691	2,31,642	1·90
1911-1912 ...	1,27,73,556	3,92,699	3·07

37. This is the worst year in this direction that I have ever had to record. It brings out more prominently than ever the growing tendency of officers to overestimate the allotments they consider necessary to efficiently administer their departments, and I am respectfully of opinion that, with the experience of two successive years of unusually large savings in expenditure before us, the heads of the large spending departments should be made to realize that careful attention to estimating is a part of their adminstrative functions and that their own administration may be adversely affected by funds being allotted in excess to services which do not require them to the detriment of other services where they could be usefully employed.

The following figures for the three years 1909-10, 1910-11 and 1911-12 will be found instructive :—

	1909-10.	1910-11.	1911-12.
	Rs.	Rs.	Rs.
Savings as estimated in the revised estimate ...	1,21,289	4,27,438	2,56,498
Further savings accrued in final. accounts	1,71,871	2,31,642	3,92,699
Rs.	2,93,160	6,59,080	6,49,197

With the rehabilitation of our reserve balances on a satisfactory basis and with the immediate prospect before us of wiping off entirely the long outstanding of Rs. 9,10,052 in the Plague account, the period has passed when such lapses can be usefully employed and the time arrived when they can only result in diverting funds from legitimate objects of improvement and maintaining the taxation of the City at a higher rate than is required.

38. Taking both the savings estimated while preparing the revised estimates and those ascertained on the final accounts, the following are the principal departments and service heads involved, with the percentage of savings on total grants sanctioned :—

Percentage of savings.	Departments and Service heads.	Total Savings.
		Rs.
8·8	General Superintendence	32,290
3·5	Assessment and Collection	13,780
4·2	Fire Brigade	11,177
9·3	Maintenance of Public Gardens	10,097
6·7	Public Works	1,73,686
6·8	Public Health	1,61,074
10·8	New Works	55,350
37·3	Plague Expenses	74,530
1·2	Municipal Debt	46,712
		Rs. 5,78,696

39. Taking the variations on the allotments arrived at even as late as December 1911, three months before the close of the year, the following savings accrued :—

		Rs.
A.	General Superintendence	31,475
B.	Assessment and Collection Department	10,878
C.	Fire Brigade	8,017
D.	Public Gardens	5,111
E.	Engineer's Department	1,35,414
F.	New Works	41,407
G.	Public Health Department	1,01,504
H.	Miscellaneous	7,647
I.	Plague Expenses	36,530
J.	Municipal Debt	6,712

The savings under B, C, D, H and J are small and call for no special remarks.

The variation under A—General Superintendence, *viz*, Rs. 31,475 was due principally to two special items, *viz.* :—

(1) Rs. 6,000 refunded by Government after long correspondence on account of the Privilege leave allowances paid by the Municipality to the late Municipal Commissioner Mr. W. D. Sheppard and (2) Rs. 16,000 appropriated by this office to savings after careful examination of all outstandings on account of law charges.

Under E—Public Works (Engineer's Department) the principal items of savings were as under :—

	Rs.
Sanitary disposal of Town sweepings	6,995
Drainage A—Miscellaneous Drainage	19,300
Water Works (Ordinary)	29,928
C—Road Watering	11,361
D—Roads and Footpaths	47,092

Out of the savings of Rs. 6,995, Rs. 3,390 were due to decreased expenses under "Haulage charges" owing to (1) kutchra trains not having been run for about 6 weeks as the refuse was otherwise disposed of and (2) Rs. 3,094 to reduced expenditure on stores and contingencies. The savings of Rs. 19,300 under "Drainage A-Miscellaneous Drainage" were due principally to the expenditure on "Outdoor Staff," "Hire of Carts," and "Repairs and Alterations to Miscellaneous Drains and Gutters" having been over-estimated by Rs. 13,505.

Of the savings of Rs. 29,928 under Water Works, Ordinary Branch, Rs. 21,500 were under Establishment, due to the extent of Rs. 3,600 to the post of Assistant Engineer, Water Works, not having been permanently filled up, the balance being the result principally of an over-estimate of Establishment and Labour charges. Of the savings of Rs. 11,361 under C—Road Watering, Rs. 7,997 were under "Watering by hose, carts, &c.," and Rs. 3,364 on renewals and fully bear out my contention that in the past there was wasteful expenditure in this direction.

Of the savings of Rs. 47,092 under "Roads and Footpaths," Rs. 44,596 were under repairs and maintenance of roads and footpaths, notwithstanding an all round increase of an anna per day in the wages of labourers from August 1911 and confirms the repeated contentions of this department that the yearly loss to the Municipality in this direction was very great and that there was no necessity to increase the grant to the extent demanded by the Executive.

F. New Works.—The heavy saving of Rs. 41,407 under this head was due entirely to excessive estimating.

G. Public Health Department.—Of the saving of Rs. 1,01,504 in this Department, the principal items were:—

Rs. 64,356 in the Conservancy and Halalkhore branches.

Rs. 13,874 in Markets and Slaughter-Houses.

The saving under "Conservancy and Halalkhore" of Rs. 64,356 is due entirely to over-estimating of requirements.

Four Overcrowding Inspectors and 2 House-drain Inspectors were budgetted for and not employed. The estimate of requirements for efficient conservancy was 10 motors, 1,200 pairs of bullocks and 820 cart drivers. The maximum and minimum strength throughout the year was:—

	Maximum.	Minimum.
Motors	5	3
Bullock pairs	1,152½	1,124½
Drivers	791	784

So was it with halalkhores. The budgetted strength was 3,216—the average strength was 3,070.

Under such circumstances not only are large savings bound to accrue but curiosity is naturally aroused as to the necessity for acceding in future to such excessive demands.

The saving of Rs. 13,874 under Markets and Slaughter-Houses was principally due to the provision for the purchase of bullocks and hire of carts not being required and to the motor-vans having been withdrawn from the service.

I. Plague Expenses.—The saving of Rs. 36,530 was due partly to an overestimate and partly to the uncertainty attending expenditure of this class, dependent as it is, on the date of inception and the virulence of the epidemic.

III. Lapsed Grants.

40. The grants lapsing at the close of the year and requiring renewal in 1912-13 aggregate the very large figure of Rs. 8,96,295. The principal heads under which renewals are required (Appendix No. 5), with my estimate thereof at the time of preparing the revised estimate are as follows:—

	Revised estimate.	Actuals.	Difference.
	Rs.	Rs.	Rs.
General Superintendence	38,000	44,607	+ 6,607
Fire Brigade	4,000	84,211	+ 80,211
Public Gardens	7,000	26,680	+ 19,680
Public Works	89,847	1,84,257	+ 94,410
New Works	1,19,653	2,46,426	+1,26,773
Public Health	57,700	1,15,131	+ 57,431
Debt	1,50,000	1,69,818	+ 19,818
	4,66,200	8,71,130	+4,04,930

The results at first sight appear worse than they really are, for the following expenditure was delayed by causes beyond our control, *viz.*, the strikes in England :—

	Rs.
Fire Brigade—	
Purchase of engines and stores	72,410
New Works—	
Water works pipes, renewals, &c.	99,700
Public Health—	
Purchase of motors	46,385
	Rs. 2,18,495

Excluding these lapses, which could by no means be anticipated, the lapse for the year would amount to Rs. 6,77,800 against Rs. 6,61,178 in 1910-1911 or an increase of Rs. 16,622. Excluding these abnormal features, the percentage of renewed grants to grants allotted was 5·31 against 5·43 in 1910-1911, 4·67 in 1909-1910 and 6·18 in 1908-1909.

That my estimate of Rs. 4,99,000 for lapsed grants is not an unattainable ideal will be apparent when I mention that even allowing for the abnormal lapse of Rs. 99,700 under Water Works, New Works, owing to the strikes in England, the renewed grant under New Works amount to Rs. 1,46,726 and that Rs. 50,223 had to be renewed on account of repairs to Municipal Buildings in charge of different departments.

I have already in my report for 1910-1911 drawn attention to the evil results from a financial standpoint of such lapses and it seems to me, if departments cannot work up to their programmes, the only alternative will be to cut down the expenditure to an extent that will allow the work to overtake the programmes advanced, and thus allow the taxation to be framed to meet the legitimate requirements of the year.

IV.—Comparison between the Actual Expenditure during 1910-11 *and* 1911-12.

41. The Revenue expenditure of the year under report, as compared with the preceding year, shows increases aggregating Rs. 4,24,467 under certain heads and decreases aggregating Rs. 2,21,777 under others, thus leaving a net increase of Rs. 2,02,690. The principal variations are explained below :—

A. General Superintendence.—There was an increase of Rs. 21,270, under General Office Establishment, due to the purchase of four motor cars, provision for which was made in 1910-1911 but which was not utilised owing to the cars not having been supplied in that year. The decrease of Rs. 3,309 was in printing, advertisement, and in fees, payable to members of the Standing Committee. The decrease of Rs 12,069, under Commissioner's Personal office Establishment, was due to savings in the salary of the present Municipal Commissioner and to a claim by the Municipality for the refund of the privilege leave allowances paid to the late Municipal Commissioner having been admitted by Government.

B. Assessment and Collection Department.—The decrease of Rs. 9,031 was due to less commission charges having had to be paid in consequence of the falling-off in the imports of sugar.

C. Public Gardens.—The increase of Rs. 6,238 was due to the construction of Stores godown with rooms for carpenters, smiths, malees, &c., and three new latrines, and to the opening of the Chawpatty Band-stand. The decrease of Rs. 18,973, under Victoria Gardens, was due to the restriction of expenditure on general improvements in the gardens and on the zoological collections during the year.

D. Public Works, Engineer's Department.—There was a net increase of Rs. 9,974 and the principal variations are explained as follows :—

The decrease of Rs. 16,425, under Maintenance of Love Grove Pumping Station, was due to extraordinary expenditure in 1910-1911 on the purchase of cylinders, covers, &c., for the engines.

The falling-off of Rs. 14,786, under Sanitary—Disposal of Town Sweepings, was due to less haulage and to decreased expenditure on stores and contingencies.

The increase of Rs. 11,295 under Drainage was due to increased labour charges and repairs and alterations to miscellaneous drains and gutters.

The decrease of Rs. 10,937, under Water Works Ordinary Branch, was due to less expenditure having been incurred on repairs to the Bhandarwada Reservoir to make it water-tight owing to sand of required quality not being available.

There was a net increase of Rs. 46,350 in the Streets and Buildings Branch, owing to the putting up of new high power lamps at prominent places, to increased expenditure on Oiling and Tarring roads, on Road repairs and to the adding of set-back lands to the roads. There was a decrease of Rs. 4,271, under Road Watering, owing to greater attention being paid to the operations during the year.

E. New Works.—There was an increase of Rs. 54,069, owing to the necessity of providing for more works of this character, in consequence of the growing needs and expansion of the City.

F. Public Health Department.—There were increases aggregating Rs. 63,332 and decreases amounting to Rs. 8,876, under this head, the net increase being Rs. 54,456. Explanations of the principal variations are subjoined :—

Conservancy Branch.—There was, in this head, an increase of Rs. 45,515 made up of many increases and decreases owing mainly to revised and improved methods of sanitation and conservancy, to increases in rates of wages to staff and reduction in staff employed, thus :—

Increase—

		Rs.
(1)	Enhanced rates of wages to labourers ...	26,000
(2)	Purchase of stock	9,000
(3)	Conversion of old pattern into new pattern urinals	19,000
(4)	Extraordinary expenditure owing to Royal visit	3,000
	Increase ...	57,000

Less—Decreases.

		Rs.	
(1)	Halakhore staff ...	11,000	
(2)	Repairs to carts ...	8,000	
			19,000
	Net Increase Rs.		38,000

Registration of Births and Deaths.—The increase of Rs. 5,074 was chiefly due to increments allowed to the staff, to the revision of the scale of pay of Birth and Death Registration karkoons and to the pay of the sub-registrar and Cemetery Clerk hitherto disbursed out of the Plague grant having been charged to this head.

Cemeteries.—The increase of Rs. 5,029 was due to extra expenditure on firewood at the Haines Road cemetery, it having been decided that cremation was a more sanitary method and also because the land in its present condition was unsuitable for further burials.

Tank Conservancy.—The decrease of Rs. 5,884 was due to the amalgamation of establishment employed on Tank Conservancy with the Conservancy Branch as most of the tanks have now been filled in.

Vaccination.—The increase of Rs. 3,073 was principally due to more expenditure on the manufacture of Glycerinated Emulsion and to the purchase rates of calves having risen.

G. Census.—The decrease of Rs. 17,368 was due to the actual taking of the Census occurring in 1910-1911.

H. Education.—The increase of Rs. 2,455, under Victoria and Albert Museum, was due to the purchase of additional show cases and to the oil-painting of the walls of the Museum.

I. Hospitals.—The increase of Rs. 9,350 was due to a special contribution towards the Acworth Leper Asylum at Matunga, to an increase in the contribution to the Adams-Wylie Hospital, and to a grant of Rs. 1,500 per annum to the Bombay Sanitary Association.

J. Miscellaneous.—The increases aggregating Rs. 28,806 were due to the grant of pensions to retired employes, to the cost of preparing the address of Welcome presented to Their Imperial Majesties on the occasion of their visit to Bombay, the grant of House Rent allowance to the menial staff, and to increased expenditure under Discretional Contingencies. The decreases aggregated Rs. 62,524 of which Rs. 2,711 were for the cost of caskets and the addresses presented to the Retiring Viceroy and Viceroy-Designate in the year 1910-1911, Rs. 53,300 on account of rebate to the City Improvement Trust allowed in the year 1910-1911, and Rs. 3,980 to a write-off of losses sustained in the sale of unserviceable, surplus and obsolete stores in 1910-1911.

• *K. Contribution to the City Improvement Trust.*—An increased contribution of Rs. 30,000 had to be made to the City Improvement Trust during the year owing to the increased General Tax realizations.

L. Plague Expenses.—This head shows a decrease of Rs. 31,331 due to reduced expenditure on Camps, General supervision and Disinfection.

M. Municipal Debt.—The increases amounting to Rs. 1,07,060 were principally due, (1) to payment of interest for the whole year on the second instalment of 15 lakhs of the 30 lakhs loan raised in 1910-1911, (2) to the interest for the broken period on the first instalment of 30 lakhs of the 55 lakhs loan, (3) to the re-investment of interest accrued on Sinking Fund Investments and (4) to the increased provision on account of repayment of the Drainage Loan of 1878.

N. Investments.—The increase of Rs. 5,000 was due to an increased contribution towards the Municipal Buildings Fire Insurance Fund and Rs. 3,449 due to extra realizations on Sinking Fund Investments which were transferred to the Net Premia Fund.

O. Premia on Loans.—The increase of Rs. 30,000 was on account of Premia received on the first instalment of 30 Lakhs of the 55 Lakhs loan for Miscellaneous works raised during the year.

P. Write-off of the Plague expenditure.—The increase of Rs. 5,00,000 is the result of a special grant from Revenue sanctioned in Corporation Resolution No. 6974 of 4th March 1912, towards reducing the long outstanding balance of Rs. 9,10,052 in the Loan Funds Account.

42. Reviewing as usual, the extent to which our expenditure has been permanently increased or decreased, I do not find in "General Superintendence", "Assessment and Collection", "Fire Brigade", "Public Gardens" any variations of account which cannot be attributed to passing causes which vary from year to year but leave the net expenditure fairly constant. The large decrease of nearly Rs. 15,000 in the expenditure on "Sanitary—Disposal of Town Sweepings" I am not prepared to admit, as a permanent decrease without a minute examination into the causes which have led to it.

43. The following variations however in my opinion have set a permanent mark on the expenditure of the City :—

	Increase.	Decrease.	
(I) *Public works*—	Rs.	Rs.	
(1) Public lighting ...	7,000		
(2) Oiling and tarring roads..	24,000		
(3) New works	30,000*		*I have allowed for Rs. 30,000 only, as our maximum expenditure is limited to Rs. 2,00,000 by the Corporation.
(II) *Public Health*—			
(1) Increase in wages ...	26,000		
(2) Decrease in halalkhore staff		11,000	
(3) Registration of Births and Deaths	5,000		
(4) Cemeteries	5,000		
(5) Vaccination	3,000		
(6) Hospitals	3,000		
(III) *Miscellaneous*—			
(1) Pensions	17,000†		†The accounts show an increase of only Rs. 2,407 but the actual permanent increase is Rs. 17,000 as a special grant was made to the retiring Engineer Mr. Hall in 1910-1911.
(IV) *Contribution to City Improvement Trust*	30,000		
(V) *Plague expenditure*		25,000	
(VI) *Debt*	68,000		
(VII) *Fire Insurance Fund*... ...	5,000		
	2,23,000	36,000	
Net increase ... Rs.	1,87,000		

44. In para. 27, I have placed the expansion in Income, without taking additional taxation into account, at Rs. 3,30,000 and with a permanent increase in expenditure of less than 2 lakhs. Events have shown that you were justified when, in presenting the Budget to the Standing Committee in November 1911, you stated that even with the knowledge that "heavy "loan works expenditure must make serious demands on our revenue, I am satisfied that our "position has so materially improved that with the continuance of the careful nursing of our "resources and a vigilant watch over our expenditure the future is one which we can look "forward to with confidence."

SURPLUS CASH BALANCE.

Appendix No. 6.

45. The Surplus Cash Balance (excluding the minimum balance of Rs. 1,00,000 required by law but including Rs. 9,25,000 reserved for payment to the City Improvement Trust on account of contribution from Revenues ear-marked for the purpose during the year) stood at Rs. 28,73,056-14-6 against Rs. 23,88,145-8-7 at the close of 1910-11, showing an increase of Rs. 4,84,911-5-11 made up thus :—

	Rs.	a.	p.	Rs.	a.	p.
Surplus for the year				11,71,227	12	8
Decrease in balance of Reserve Stock stores... ...				48,798	5	8
Adjustment of the difference between the value of 3½ per cent. Government Paper for Rs. 500 transferred from Surplus Funds Investments to Municipal Buildings Fire Insurance Fund Investment being inadvertently taken at 105 5/6 per cent. instead of 105 5/16 per cent.				2	9	8
				12,20,028	12	0
Less—						
Increase in balance of lapsed grants	2,35,117	6	1			
Portion of Plague expenditure written off by a contribution from revenue	5,00,000	0	0			
				7,35,117	6	1
Net Increase Rs.				4,84,911	5	11

46. The Surplus Cash Balance at the close of the year, including Rs. 1,00,000 required by law but exclusive of Rs. 9,25,000 reserved for the City Improvement Trust, was Rs. 20,48,056-14-6, and was Rs. 7,93,233-14-6 in advance of the original estimate of Rs. 12,54,823 owing principally to the large excess in Income and savings in expenditure alluded to in paras. 4 and 5 counterbalanced by the special write-off of Rs. 5,00,000 for outstanding Plague expenses. It also exceeded the balance shown in the Revised Estimate of Rs. 18,78,066-5-1 by Rs. 1,69,990-9-5. The latter increase is accounted for thus :—

		Rs.	a.	p.
1.	Extra Income realizations (para. 4)	1,82,789	7	7
2.	Savings in expenditure (para. 5).	3,92,698	15	10
3.	Difference in favour of 1911-12 as compared with 1910-11 in the renewed grants actually required in 1910-11 and that provided in Revised Estimate for 1911-12 (Rs.6,61,177-15-1—Rs.4,99,000).	1,62,177	15	1
4.	Decrease in value of reserve stock	48,798	5	8
	Carried over Rs.	7,86,464	12	2

		Rs. a. p.	Rs. a. p.
	Brought over ...	7,86,464 12 2	
5.	Adjustment of the difference between the value of 3½ per cent. Government Paper for Rs. 500 transferred from Surplus Funds Investments to Municipal Buildings Fire Insurance Fund Investment being inadvertently taken at 105 5/6 per cent. instead of 105 5/16 per cent.	2 9 8	
Less—			7,86,467 5 10
1.	Difference between amounts paid to the City Improvement Trust on 1st April 1912 (Rs. 9,25,000) and 1st April 1911 (Rs. 8,65,000)	60,000 0 0	
2.	Excess on amount reserved for additional grants	56,476 5 0	
3.	Increase shown in the opening balance of Revised Estimate ...	0 7 5	
4.	Adjustment (part) of the advance of Rs. 9,10,052-7-4 outstanding under "Plague Expenditure Suspense Adjustment Account" ...	5,00,000 0 0	
			6,16,476 12 5
	Difference Rs. ...		1,69,990 9 5

47. In arriving at our available unhypothecated Surplus Balances, I have as usual excluded the contribution paid to the City Improvement Trust amounting, on the 1st April 1912 to Rs. 9,25,000. Our real Surplus Cash Balance unhypothecated to any purpose thus amounted to Rs. 19,48,056-14-6 excluding the minimum of Rs. 1,00,000 required by law. This balance has, at date, been entrenched upon in 1912-13 only to the extent of Rs. 88,769.

48. Having reached this satisfactory position by that careful nursing of our resources and vigilant watch over our expenditure on which you so strongly insist, the way is opened out to our writing off at once the balance of Rs. 3,00,000 outstanding in the Plague Expenditure Suspense account and thus releasing either for increased expenditure or reduced taxation, the annual grant of Rs. 1,00,000 by means of which, it was hoped, in 3 years to wipe off this outstanding.

49. With this side of our financial policy placed on a sound basis, I would earnestly urge consideration being given to the question of estimating and lapsed grants which I have touched upon in paras. 37 and 40 of this report, for on an improvement in these directions, depends the permanent settlement of our finances on a basis whereby the taxation of the City can be made to correspond with its actual needs.

LOANS RAISED.

Appendices Nos. 6-A and 6-B.

50. The amount of loans raised upto 31st March 1912, as shown in these Appendices, aggregated Rs. 5,57,00,500. The total amount expended on Loan Works and Plague stood at Rs. 5,20,42,105-14-2 and the invested balance at Rs. 36,58,394-1-10. Of the sum of Rs. 5,20,42,105-14-2, Rs. 5,02,28,362-12-0 represents expenditure of works for which loans have been already sanctioned and raised, and Rs. 18,13,743-2-2 is the total amount of Capital expenditure incurred by way of advances from Surplus Loan Balances, of which Rs. 4,10,052-7-4 is the balance of advance for Plague expenses awaiting adjustment and Rs. 14,03,690-10-10 represents outlay on works for which borrowing powers are either yet to be obtained or have been obtained but had not been exercised at the close of the year. The amounts so advanced from the balances in hand of each individual loan are shown in Column 7 of Appendix No. 6-B in consonance with the wishes of the Corporation as expressed in their Resolution No. 6569 of 15th February 1912.

DEBT AND SINKING FUND.

Appendices Nos. 7, 7-A and 8.

51. The total Capital Debt of the Corporation at the beginning of the year amounted to Rs. 5,62,88,146-9-8, of which Rs. 23,11,146-9-8 represented the Vehar Debt due to Government and the balance was due to the public. During the year under report, the first instalment of Rs. 30,00,000 of the 55,00,000 Lakhs loan for Miscellaneous works was raised. The amount paid during the year towards the reduction of the Vehar Debt was Rs. 21,899-12-11 and Rs. 1,05,500 were repaid to certain holders of the debentures of the Drainage Loan of 1878. There was thus a net increase of Rs. 28,72,600-3-1 in the Capital Debt of the Corporation which stood at Rs. 5,91,60,746-12-9 on the 31st March 1912 against Rs. 5,62,88,146-9-8 at the beginning of 1911-1912. Of the total debt, Rs. 22,89,246-12-9 represented the amount due to Government. Against the total debt due, the Sinking Fund invested upto 31st March 1912 amounted to Rs. 1,15,36,138-5-3 leaving a net debt liability of Rs. 4,76,24,608-7-6.

52. From Statement No. 7, it will be observed that 35 debentures of the aggregate value of Rs. 17,500 of the Drainage Loan of 1878, which were redeemable on 1st January 1906, 1st January 1909, 1st January 1910, 1st January 1911, and 1st January 1912, were not surrendered for repayment by the holders up to the close of the year. There was thus an increase of Rs. 1,000 in the outstanding balance at the close of the year.

53. Appendix No. 8 shows that the outstanding interest on the different Municipal Loans at the beginning of the year amounted to Rs. 1,47,065-2-4 which, together with Rs. 24,51,070-15-6 on account of interest payable during the year under report, gave a total liability of Rs. 25,98,136-1-10. Against this, the net interest paid by the Bank of Bombay during the year under report, amounted to Rs. 24,44,387-14-9 against Rs. 23,80,358-4-6 in the preceding year. The outstanding balance at the close of the year under report amounted to Rs. 1,53,748-3-1 against Rs. 1,47,065-2-4 for the preceding year. The outstanding represents 5·92 per cent. of the total interest payable against 5·82 in 1910-1911.

54. From Appendix No. 7-A, it will be seen that allowing for interest due but not collected, the invested balances of the Sinking Fund on 31st March 1912 amounted to Rs. 1,16,96,081-3-2 and was only Rs. 6,971-3-2 in excess of what should have accumulated for the purpose for which the funds have been created. The result will, I trust, be considered satisfactory.

55. The subjoined statement shows the book and market value of the paper held in the Sinking Fund at the close of the year. On the basis of the market rates our Sinking Funds are on a thoroughly sound financial basis:—

Name of Sinking Fund.	5 per cent. Municipal Debentures.	4 per cent. Municipal Debentures.	4 per cent. B. I. Trust Debentures.	3½ per cent. Government Paper.	3 per cent. Government Paper.
	Rs.	Rs.	Rs.	Rs.	Rs.
5 per cent. Municipal Loans Sinking Fund	34,66,000	5,52,500	5,97,500	12,57,000	.....
4 per cent. Municipal Loans Sinking Fund 3½ per cent. basis	.....	15,95,000	22,36,500	13,12,300	.....
4 per cent. Municipal Loans Sinking Fund 3 per cent. basis	.....	.....	.....	.....	3,88,900
3½ per cent. Municipal Loans Sinking Fund	.....	21,500	30,000	1,81,300	.....
Face value	34,66,000 at 117	21,69,000 at 102½	28,64,000 at 103	26,50,600 at 96 5/8	3,88,900 at 82
Market value	40,55,220	22,23,225	29,49,920	25,61,143	3,18,898
Difference between face value and actual value	+ 5,89,220	+ 54,225	+ 85,920	—89,457	— 70,002

EXPENDITURE ON LOAN WORKS.

Appendix No. 9.

56. The total outlay on Loan Works during the year (excluding Plague expenditure which was met from current revenue) aggregated Rs. 19,70,181-10-10 against Rs. 25,08,990-9-6 in the preceding year, showing a decrease of Rs. 5,38,808-14-8. The expenditure was distributed as under and as compared with the revised estimates, shows large variations :—

		Revised Estimates. Rs. a. p.	Expenditure. Rs. a. p.
A.	Buildings and Sanitary Structures...	3,85,126 7 7	2,89,144 12 11
B.	Roads and Overbridges	8,89,643 3 0	4,45,288 1 11
C.	Drainage	11,48,689 7 3	9,20,969 8 4
D.	Water Works	5,31,508 15 7	3,04,389 0 8
E.	Cemeteries	11,846 11 7	9,388 7 5
F.	Disposal of Town Sweepings ...	.....	248 12 0
G.	Miscellaneous	3,000 0 0	752 15 7
	Total Rs. ...	29,69,814 13 0	19,70,181 10 10

The principal works on which lapses occurred were :—

Construction of various overbridges in the City	Rs. 4,10,828
Construction of stables and chawls in the City for bullocks and biggaries of the Health Department	„ 85,459
Measures for relieving the surcharging of sewers	„ 2,56,396
Diversion of 32″ Vehar main and replacing the same by a 48″ main.	„ 1,53,521
Renewal of water mains in the Girgaum district for the improvement of the water supply...	„ 27,934
Total Rs.	... 9,34,138

The original estimates for the year aggregated Rs. 39,72,120-9-0 against which, it will be seen, the actual expenditure was only Rs. 19,70,181-10-10. The first instalment of 30 lakhs of the 55 lakhs loan having been raised during the year, our loan balance at the close of the year, rose to Rs. 36,58,394-1-10. The evils of overborrowing are patent and have been commented on in my report for 1910-11. Measures have already been taken to reduce the balances to a figure nearer our estimated requirements by postponing the raising of the second instalment of 25 lakhs of the 55 lakhs loan in 1912-13.

PLAGUE EXPENDITURE.

Appendix No. 9-A.

57. The charges booked on account of Plague operations during the year, as shown in Appendix No. 9-A, amounted to Rs. 1,55,903 against Rs. 1,87,234 in the preceding year, showing a satisfactory decrease of Rs. 31,331. Your orders insisting on a reduction of Plague expenditure have thus resulted in the outlay being first reduced to Rs. 1,87,234 in 1910-11 and now to Rs. 1,55,093.

58. The total expenditure incurred on Plague from the commencement of operations to the close of the year under report aggregates Rs. 75,74,450, and was financed as under :—

		Rs.
(1)	From the 20 lakhs Plague Loan	20,00,000
(2)	From the Government Contribution	14,50,000
(3)	Amount recovered from the City Improvement Trust under Section 79 (3) *b* (i) and (iii) of their Act and transferred to meet the liability incurred out of Loan Funds ...	16,00,000
(4)	Advance from Loan Funds	4,10,052
(5)	From Current Revenue	21,14,398
	Total Rs. ...	75,74,450

LIABILITIES AND ASSETS.

Appendix No. 10.

59. The gross liabilities of the Corporation were Rs. 5,90,66,677-11-3 at the beginning of the year, against Rs. 6,19,76,025-12-8 at its close, showing an increase of Rs. 29,09,348-1-5 caused by the raising, during the year, of the first instalment of 30 Lakhs of the 55 Lakhs Loan for Miscellaneous Works.

Assets.

		Rs.	a.	p.	Rs.	a.	p.
A.	Cash and paper available for expenditure on Revenue and Capital Projects——						
	(1) Cash Balance in Office and Bank Treasuries	3,70,273	4	0			
	(2) Surplus Funds Deposits	38,51,073	2	2			
	(3) Loan Funds	36,58,394	1	10			
					78,79,740	8	0
B.	Sinking Funds Investments				1,15,36,138	5	3
C.	Special Funds Investments...				8,34,879	14	7
D.	Advances recoverable, Paper Deposits and other items				7,47,995	7	6
E.	Reserve Stock				4,60,542	1	4
F.	Properties				6,58,92,043	13	0
G.	Debt due by the City Improvement Trust for land transferred ...				17,15,289	5	11
				Rs.	8,90,66,629	7	7

60. The booked assets, it will be seen, exceeded the liabilities by Rs. 2,70,90,603-10-11, showing an increase of Rs. 24,70,410-9-9 on the preceding year. An explanation of the increase in the invested balances is dealt with under the head "Investments and Invested Balances" (paras. 62 to 66). "Debt" will be found treated in para 51. "Deposits," "Advances recoverable" and other "Debt" heads are dealt with under "Suspense Accounts" (para. 76 *et seq*), where remarks on the reserve stock will also be found.

61. As regards the question of the revision of the valuation of our properties, it was in the year 1898 that I advocated the framing of a complete list of all our properties and urged that our assets should be made to conform generally more closely with their actual value.

After years of effort our Stores assets will very shortly be placed on an efficient basis and it is a great satisfaction to me that the Corporation have recently sanctioned expenditure towards making a beginning to placing the values of our "Property" assets on a sound footing.

Investments and Invested Balances.

62. When the original Budget Estimates for 1911-12 were framed, a sum of Rs. 1,35,000 was estimated to be derived from interest on Investments and Surplus Loan and other balances. The actual realizations, however, amounted to Rs. 2,24,280 or Rs. 89,280 in excess of the original estimates, due to the large additions made to the Surplus Fund, in consequence of increased income realizations as explained in para. 4 and decreased expenditure in Revenue and on Loan Works as explained in paras. 5 and 17.

The Income of Rs. 2,24,280 was derived from the following sources :—

(1)	On Current Account Deposits at 1, 2 and 2½ per cent.	Rs. 12,899
(2)	On Fixed Deposits	„ 1,29,773
(3)	On Investments in Government and other securities	„ 81,608
	Total	Rs. 2,24,280

63. Inclusive of investments on account of the Sinking, Insurance, Worn-out Mains Renewals and Net Premia Funds, the total sum of Investments and Re-investments arranged for by this Department during the year aggregated Rs. 1,97,04,500, thus—

(1)	Current Account Deposits	Rs.	18,00,000
(2)	Fixed Deposits	„	1,41,00,000
(3)	Investments in Public Securities	„	26,28,000
(4)	Sinking and Special Funds	„	11,76,500
	Total	Rs.	1,97,04,500

64. The average rate of interest on fixed deposits was 4 per cent. against 4·101 per cent. in the preceding year. The rates realized for fixed deposits up to 6 months ranged from 2¾ per cent. to 6 per cent. The maximum rate realized in the preceding year was also 6 per cent.

65. It will be observed from Appendix No. 10 B that the invested balances at the close of the year stood at Rs. 2,01,51,685-7-10 or Rs. 30,23,752-14-4 more than the preceding year.

66. The Surplus Funds Investments for the year under review show an increase owing to additions to our Revenue Reserve Balances. The increase under the Loan Fund balances is due to the raising of the first instalment of Rs. 30 Lakhs of the 55 Lakhs loan with reduced expenditure on loan projects. The growth of the Sinking Funds requires no explanation.

SPECIAL FUNDS.

Fire Insurance Fund.

67. The yearly contribution towards the Municipal Buildings Fire Insurance Fund was in the year under report raised from Rs. 5,000 to Rs. 10,000 with a view to accelerating the creation of an Insurance Fund sufficient to be regarded as a reasonable precaution against possible losses by fire and other accidental causes instead of providing for the insurance of our properties by outside agency. The investment of the annual instalment of Rs. 10,000 plus the investment of accrued interest on invested balances, swelled the fund from Rs. 1,35,219-1-6 on 31st March 1911 to Rs. 1,50,756-2-6 at the close of the year, thus showing an increase of Rs. 15,537-1-0.

WORN-OUT WATER MAINS RENEWAL FUND.

68. No special contribution was made to this fund from revenue sources during the year. As the amount expended on renewal work was large this year, amounting to Rs. 41,682-0-0, the fund with the interest realized from invested balances decreased from Rs. 5,56,776-11-11 at the close of the past year to Rs. 5,39,207-9-3 at the close of the year under review.

NET PREMIA FUND.

69. The amount to the credit of this fund stood at Rs. 80,708-8-3 at the beginning of the year. After allowing for printing, advertisement, stamp, &c., charges, paid in connection with the first instalment of 30 Lakhs of the 55 Lakhs Loan raised during the year, the fund swelled to Rs. 1,44,916-2-10. The net increase of Rs. 64,207-10-7 was due (1) to a premium of 1 per cent. having been received on the 30 Lakhs Loan raised during the year, (2) to the interest realised on the invested balances to the credit of the fund, (3) to the sale of water-marked paper and (4) to premium realizations on the investments of Sinking Fund instalments.

WATER WORKS ACCOUNT.

APPENDIX No. 11.

Income and Expenditure Account.

70. In the original Budget Estimates, the Water Works income was placed at Rs. 20,25,000 and the expenditure at Rs. 19,77,500, providing for a surplus of Rs. 47,500. Excluding Rs. 2,05,777-0-1 on account of interest on Investments which also appear on the expenditure side, the actual income amounted to Rs. 20,89,253-13-7. There was thus an increase over the Budget Estimates of Rs. 64,253-13-7. Excluding the items of investments amounting to Rs. 2,05,777-0-1 also from the Expenditure side, the expenditure amounted to Rs. 18,99,757-4-8 or Rs. 77,742-11-4 less than the estimate. Adding to the estimated surplus of Rs. 47,500, the excess of Income amounting to Rs. 62,253-13-7 and savings in expenditure amounting to Rs. 77,742-11-4, we get a net surplus revenue of Rs. 1,89,496-8-11 as shown in Appendix No. 11.

71. As compared with the preceding year, the income for the year under report (excluding the items of interest on investments) shows an increase of Rs. 73,819-2-0. The expenditure shows an increase of Rs. 14,706-14-5.

72. The statement of Income realisations for 5 years from water supplied through meters, required by Corporation Resolution No. 6570 of 15th February 1912, will be found attached in Appendix No. 11.

ASSETS AND LIABILITIES.

Appendix No. 12.

73. The payment to Government of Rs. 21,899-12-11 towards the reduction of the Vehar Debt and of Rs. 39,532-4-8 towards the re-payment of the water-works portion of the Drainage Loan of 1878, reduced the liabilities from Rs. 2,52,46,509-13-10 at the close of the preceding year to Rs. 2,51,85,077-12-3 at the close of the year under report.

74. The assets aggregated Rs. 3,52,83,375-10-7 against Rs. 3,46,87,109-7-6 at the close of 1910-11 showing an increase of Rs. 5,96,266-3-1 which was made up of (1) works executed out of different loans and savings on loans (*vide* Appendix No. 9, and (2) additions to the Sinking and Net Premia Fund Investments.

75. From Appendix No. 12, it will be seen that the excess of assets over liabilities amounted to Rs. 1,00,98,297-14-4 or Rs. 6,57,698-4-8 in excess of the amount shown in the report for the preceding year.

SUSPENSE ACCOUNTS.

A.—Deposits.

76. The cash deposit outstandings at the close of the year aggregated Rs. 4,52,946-9-3 against Rs. 4,35,563-2-3 in the year 1910-1911, and were made up of—

		Rs.	a.	p.
(1)	Cash Deposits from Contractors ...	1,85,378	15	0
(2)	Cash Deposits received through Departmental Officers	1,11,764	3	9
(3)	Other Cash Deposits	1,41,612	5	6
(4)	Deposits on account of works performed for private parties	14,191	1	0
	Rs. ...	4,52,946	9	3

B.—INTER-DEPARTMENTAL CHARGES.

1. *Workshops.*

77. The opening balance was Rs. 12,915-10-0 or Rs. 2,567-9-0 less than in the preceding year.

The cost of labour and supervising staff employed, and of stores used on the works turned out in the shops during the year amounted to Rs. 1,84,028-2-7 against Rs. 1,71,692-9-0 in the previous year. The total outlay in the Workshops during the year, together with the opening balance, aggregated Rs. 1,96,943-12-7. The recoveries made during the year, including Rs. 102-6-0 realized by the sale of saw-dust and Rs. 2,201-5-11 realised by the sale of unserviceable stores amounted to Rs. 1,87,803-2-4 and the outstanding at the end of the year, including incomplete jobs and value of stores issued in March 1912 aggregated Rs. 11,263-2-1. The net profit of the Workshops was Rs. 2,122-7-10. The outstandings are made up of the following items :—

	Rs.	a.	p.
Stores issued in March 1912 and charged in the accounts for 1911-12 under the system of Stores Account	6,637	6	4
Outstanding bills	3,148	8	11
Incomplete jobs	1,477	2	10
Rs.	11,263	2	1

By charging 25 per cent. on all jobs the sum of Rs. 35,792-14-5 was obtained, adding to which (1) the sum of Rs. 2,303-11-11 realized by the sale of unserviceable stores and saw-dust, and (2) Rs. 929-5-9 the profit realised by the hire of plant, &c., the gross profits of the shops aggregated Rs. 39,026-0-1 from which the following Shop and Supervision, &c., charges amounting to Rs. 36,903-8-3 had to be met :—

		Rs.	a.	p.
1.	Supervising Establishment	25,109	6	9
2.	Shop charges	11,794	1	6
	Rs.	36,903	8	3

2. *Other Works.*

78. The outstanding balances on 31st March 1912 in respect of Departmental and Private Works executed by different branches of the Executive Engineer's Department, excluding Workshops, are contrasted below with those on 31st March 1911. The account shows a marked improvement in Departmental works, denoting quicker work and quicker adjustments, but in " Private works " the outstanding appears too heavy and its further increase in 1911-12 might be construed into an unhappy feature of an Advance account.

79. It is only by a minute examination of the outstandings that any definite conclusions can be arrived at and this will no doubt in due course be undertaken by the Revenue Officer. The recoveries do not appear to be properly looked after, as there has been a defalcation in the Health Department in this account which has already been brought to the notice of the Corporation.

	Balance on 31st March 1911.	Balance on 31st March 1912.	More.	Less.	Remarks.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
A—Departmental Works.					
(1) Drainage Branch.	1,078 7 0	(*a*) 450 15 9	.....	627 7 3	(*a*) Out of this, Rs. 140-1-7 represent the value of stores issued in March 1912 and included in the accounts for 1911-12.
(2) Roads and Buildings Branch.	6,621 8 3	(*b*)3,729 12 2	.....	2,891 12 1	(*b*) Out of this, Rs. 352-0-11 represent the value of stores issued in March 1912 and included in the accounts for 1911-12.
(3) Water Works Branch.	2,774 9 0	(*c*)2,565 6 4	.....	209 2 8	(*c*) Out of this, Rs. 2,106-8-10 represent the value of stores issued in March 1912 and included in the accounts for 1911-12.
Rs. ...	10,474 8 3	6,746 2 3	.....	3,728 6 0	
B—Private Works.					
Drainage Branch.					
On account of Ordinary Works.	497 11 7	(*d*)1,912 14 7	1,415 3 0	.....	(*d*) Out of this, Rs. 117-6-0 represent the value of stores issued in March 1912 and included in the accounts for 1911-12.
Roads and Buildings Branch.	5,953 10 2	(*e*)4,829 6 2	.....	1,124 4 0	(*e*) Out of this, Rs. 100-5-0 represent the value of Stores issued in March 1912 and included in the accounts of 1911-12.
Water Works Branch.	838 7 6	(*f*)3,018 11 8	1,190 4 2	.....	(*f*) Out of this, Rs. 1,433-14-0 represent the value of stores issued in March 1912 and included in the accounts for 1911-12.
Health Department (Removing Chokes).	10,879 9 1	(*g*)12,624 12 9	1,745 3 8	.....	(*g*) The outstandings are for all years from 1904-05 to 1911-12.
Rs. ...	18,159 6 4	21,385 13 2	4,350 10 10	1,124 4 0	

Advances to Municipal Officers.

80. The outstandings on 31st March 1912 aggregated Rs. 46,955-12-5 against Rs. 13,861-12-1 on 31st March 1911. The outstanding could technically be objected to to the extent of Rs. 31,955-12-5 as Budget provision did not exist in 1911-12 for the payments made. The payments, however, *could not* be withheld. They were principally for (1) Coal (Rs. 18,174) pertaining to the year 1912-13 and delivered in the year 1911-12; (2) for bills (Rs. 11,526) for decorating and illuminating the Municipal Offices on the occasion of the Royal Visit to Bombay.

Advances to Contractors.

81. The outstandings at the close of the year amounted to Rs. 515-8-8 against Rs. 17,298-9-8 during 1910-11.

Miscellaneous.

82. Out of the outstandings of Rs. 45,647-13-1 the following are the principal items:—

		Rs.	a.	p.
(1)	Expenditure in the suit filed by the Tramway Co. against the Municipality	4,410	5	7
(2)	Arbitration and other expenses in connection with the purchase of the Tramways	5,623	14	10
(3)	Acquisition of land beyond the regular line of the street to be adjusted against the sale-proceeds of land	11,700	15	7
(4)	Remodelling house-gullies	16,564	7	10

As regards the first two items, I regret they have been overlooked and a claim not made against the Tramway Company. This will now be done, and if necessary a grant asked for from the Corporation.

The amount of item No. 3 will be adjusted from time to time as the land is sold. The large outstanding under item No. 4 is due to works in progress; the amount has mostly been recovered during 1912-13.

Advances from Surplus Cash Balance for new works to be subsequently provided for under a new loan to be raised.

83. Upto 31st March 1912, the grants sanctioned by the Corporation from surplus cash balance as advances for new works on Capital Account, amounted to Rs. 9,78,000, and the actual expenditure to Rs. 2,94,330.

Personal Account of the Chief Auditor and Accountant, G. I. P. Railway.

84. The following is the list of works to be executed by the G. I. P. Railway on behalf of the Municipality for which advances aggregating Rs. 35,367 have been made from time to time since the 25th February 1910:—

		Rs.
(1)	Constructing a culvert at Currey road for removing and relaying 32″ Vehar main, south of Coorla	10,394
(2)	Constructing a culvert over Tansa main at Arthur Road. ...	12,192
(3)	Carrying out alterations in the alignment of the East and West approaches to Clerk Road Overbridge	12,781
	Total Rs.	35,367

Reserve Stock.

85. The receipts of General Stores during the year as per my books aggregated Rs. 6,16,388-6-10 and the issues Rs. 6,55,016-11-10. There was a further decrease of Rs. 38,628-5-0 in the balance of current stores. There was also a further reduction during the year in the balances of Surplus and Obsolete Stores from Rs. 43,086-12-0 to Rs. 35,422-14-7, and the action since taken will, I trust, have the effect of wiping out this fictitious asset from the accounts for 1912-13.

86. The verification of stock was undertaken by an independent verifier, Mr. W. Atherton, during the year, but it was not completed owing to his sudden death. Another verifier Mr. A. D. Simkins took his place and the result of the verification will be placed before the Corporation later on. Indications, however, seem to point to the results being fairly satisfactory. The balances of the general, *i. e.*, current serviceable stores, are compared below for the last five years :—

	Rs.	a.	p.
Balance at the close of 1907-08	4,58,055	15	11
Balance at the close of 1908-09	4,89,688	4	1
Balance at the close of 1909-10	4,89,841	0	8
Balance at the close of 1910-11	3,46,008	14	6
Balance at the close of 1911-12	3,07,380	9	6

As an indication of what persistent efforts can do, these figures are as instructive as the gradual but sure decline in the balances of surplus and obsolete stores from over Rs. 4,00,000 to vanishing point. I feel sure that without audit control such results could not have been attained.

87. It is very gratifying to me that the balances of current general stores so nearly approaches the sum of Rs. 3,00,000, the maximum limit I stated some years ago, as being necessary for efficient working.

It may be possible to still further reduce this balance, as, on an examination of some of the detailed balances, I find they are unduly heavy. On the other hand, I know that in many directions, stocks at the close of the year were held in very small quantities.

A careful survey will enable me to come to a definite conclusion.

88. A test-audit of the accounts of the Department was commenced in June and completed on the 24th July 1912. My report will be communicated to you in detail as early as practicable.

86. The balance of Reserve Stock in hand at the close of the year as per the General Books of this Office amounted to Rs. 4,60,542-1-4 against Rs. 5,09,340-7-0 at the close of the preceding year, showing a decrease of Rs. 48,798-5-8 as detailed below :—

DEPARTMENTS.	1910-1911.			1911-1912.			More.	Less.
	Serviceable Stores.	Surplus and Obsolete Stores.	Total.	Serviceable Stores.	Surplus and Obsolete Stores.	Total.		
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1. General Stores Department.	3,46,008 14 6	43,086 12 0	3,89,095 10 6	3,07,380 9 6	35,422 14 7	(a)3,42,803 8 1	.....	46,292 2 5
2. Water Work-Imprest ...	1,376 4 5	.....	1,376 4 5	(b) 2,086 0 10	.....	2,086 0 10	709 12 5	.....
3. Executive Engineer's Department ...	136 11 0	.....	136 11 0	(c)	.....	.....	.....	136 11 0
4. Line Suspense Account ...	1,18,731 13 1	.....	1,18,731 13 1	1,15,652 8 5	.....	1,15,652 8 5	.....	3,079 4 8
5. Stock Adjustment Account.	.....	.....	.....	.....	.....	.....	.....	.....
Total ...	4,66,253 11 0	43,086 12 0	5,09,340 7 0	(d)4,25,119 2 9	35,422 14 7	4,60,542 1 4	709 12 5	49,508 2 1
						Less—Increase Rs.		709 12 5
						Net—Decrease Rs.		48,798 5 8

(a) The total difference between these amounts and those shown by the Storekeeper is Rs. 10 023-4-3 which is due to documents from Departments not coming to hand, and to some minor adjustments which will be made in the accounts for 1912-13.

(b) Value of stores remaining unused on 31st March 1912 out of the temporar imprest allowed to the Water Engineer, pending issue of regular imprests to different Municipal Officers as laid down in the Stores Manual.

(c) There was a credit balance of Rs. 979-11-0 on 31st March 1912. This was due to the stores having been obtained and issued in 1911 12, whereas the cost thereof was paid by debit to the Imprest Account for 1912-13 owing to the late submission of the bill by the contractors concerned.

(d) There was a credit balance of Rs. 146-6-5 on 31st March 1912. The original credit balance has been greatly depleted. This was due to the fact that a portion of it had to be utilised in writing off the loss of Rs. 10,575-13-2 sustained on the sale of surplus and obsolete stores of Water Works Department effected in 1911-12.

Street Improvements.

90. During the year the provision on account of the acquisition of set-backs was as follows :—

	Rs.
Budget provision	1,00,000
Balance out of the advance from Surplus Loan and other balances pending subsequent adjustment against a new loan to be raised	2,44,017
Rs.	3,44,017

Against this sum Rs. 3,41,050 were expended, leaving a balance of Rs. 2,967 for meeting further claims.

The undischarged commitments, however, upto 30th June 1912, in regard to set-backs already acquired and sanctioned to be acquired amount to Rs. 12,33,419. Adding to this, the amount of Rs. 3,99,288, paid from advances in 1910-11 and 1911-1912, the total uncovered liabilities amount to Rs. 16,32,707. I have already in my No. 3176 of 11th July 1912 pointed out the liabilities and asked for an advance of Rs. 2,00,000 from Surplus Funds, pending the raising of a special loan.

General Financial Position.

91. I have not for some years now known the financial position to be brighter or established on a sounder basis. In my last report I commented on a fact which had received the attention of all those responsible for the financial equilibrium and prosperity of the City, *viz.*, that for the three years ending with 1910-1911, the rate of expenditure had advanced more rapidly than the expansion of our revenues. The year under review brings us back to the more healthy condition of a revenue expanding in its most important features at a rate more rapid than the expenditure, which, I feel, we have well in hand.

92. It is true that our taxation, in so far as it can be utilized for "General" against "Specific" purposes, such as Fire and Water service, is at its maximum, except in the direction of the General Tax, but the rateable values on which this tax is based have materially expanded, whereas in important directions the growth of expenditure on the normal services of the City has not only been checked but in some instances materially reduced, and though our debt liability must continue to grow, I know of no serious burdens, the acceptance of which we cannot look forward to with confidence, provided our present rate of recurring expenditure on the ordinary services expected of a Municipality, is accepted as a standard advanced enough for present requirements, and we move at a pace commensurate with our rateable wealth in enhancing the expenditure on sanitation, education, relief in hospitals, and civic amenities.

93. On the latest data available at this date, I estimate our Income at the existing rates of taxation (excluding "Water" and "Fire service") at Rs. 1,15,25,000 after eliminating all extraordinary and non-recurring items of receipts, and allowing for non-recurring deficits, thus :—

	Rs.	Rs.
"Taxation proper" (excluding Fire tax) receipts in 1911-1912		69,95,700
Add—		
Non-recurring deficit in "Town Duties," say ...	3,50,000	
Deduct—		
Arrear dues on account of General Tax not appertaining to the year recovered from Government ...	83,807	
		2,66,193
Add—		
Increased revenue from Mills and from General enhancement in rateable value of properties ...		2,00,000
Total "Taxation Proper" excluding "Fire Service."—Carried over Rs.		74,61,893

	Rs.	Rs.
Total "Taxation Proper" excluding "Fire Service"—Brought forward		74,61,893
" Services rendered" excluding "Water Tax" ...	12,92,698	
Add—		
Further expansion as known to date	30,000	
		13,22,698
Total "Services rendered" excluding "Water Tax," "Returns from Property and Miscellaneous" and "Premia"	20,54,646	
Deduct—		
(1) Excess receipts from pension contributions 25,000		
(2) Extraordinary receipts from City Improvement Trust 1,97,640		
	2,22,640	
		18,32,006
		1,06,16,597
Add—		
Difference between General tax at 10⅓ per cent. and the maximum rate of 12 per cent. leviable under the Act		8,99,795
		Rs. 1,15,16,392
	Say Rs. 1,15,25,000	

I estimate the recurring normal revenue expenditure of the City including debt and contribution to the City Improvement Trust and investments of interest on sinking and other funds at ... ... Rs. 1,24,00,000

of which the following, I estimate, appertains to "Fire Service" and "Water Works":—

	Rs.		
Fire Service	2,50,000		
Water Works (including debt)	19,00,000	„	21,50,000
	Leaving a balance of	Rs.	1,02,50,000

The receipts at the maximum rates of taxation being estimated at Rs. 1,15,25,000 we have a margin of Rs. 12,75,000 against which we can exercise our borrowing powers to the extent of Rs. 2,09,00,000.

94. In addition we have an elastic water rate to draw upon for the scheme of duplicating the Tansa pipe line and generally improving the water supply, which, I have already stated in my note of the 20th January 1912, can, in my opinion, be carried out without increasing the water rate. The margin of ¼ per cent. that we have in the Fire Brigade tax is ample to meet our requirements and I know of no reason why it should be drawn upon.

95. We have very heavy loan works expenditure before us in connection with drainage and sewage schemes, and the opening up of the North of the Island, which will add a recurring charge of about Rs. 6,00,000 to the debt expenditure of the City, but I have no doubt that when these charges finally mature, it will be found that our progressive revenues will have expanded to meet them.

Test-Audit.

96. Test Audit was continued throughout the year and 108 reports were made as follows:—

Health Department	76
Road Department	21
Drainage Department	9
Water Department	2
No.	108

Its scope was extended to the books and accounts kept in the main office of the Executive Engineer and lengthy reports pointing out defects and suggesting improvements were sent in, the effect of which, I have no doubt, will be salutary.

97. Particular attention was paid to the working of the Health Department, where until the officers realized the assistance actually given them by Test Audit, we had always experienced difficulty in making the upper-subordinate staff realize that it was in the interests of the City that a more exacting supervision over the menial staff was called for.

When test-audit was first started, it was the exception to find on duty on an average 85 per cent. of the menial staff charged for, in some cases over 20 per cent. were found away, and in one case, over 32 per cent. were absent at muster. Musters were undoubtedly either not taken in many cases or did not represent actual facts, and the general supervision by the Inspectors, Assistant and Sub-Inspectors and the Mukadums was in a general sense insufficient, wherever tests were applied. Men were also found being paid for work they did not perform.

While fully realizing that with the labouring staff a certain amount of wastage *must* ensue owing to the character of the labour employed, the financial side of the question cannot be lost sight of, for the yearly expenditure on scavengering is Rs. 3,50,000 and a very small percentage of leakage constitutes a very large excess demand on the City's taxation.

Fifty-four extra men and women were asked for in 1910-11 and 1911-12 entailing an extra cost of slightly over Rs. 6,000 per annum. Test-audit has shown that the demand was not necessary.

There has, during the year, been a great improvement in the ratio of results to expenditure, and at present there seems no need for increased outlay, but I will not be satisfied that the large expenditure of each year is justified until I am in a position to work out the cost of scavengering in each ward and suggest a standard for varying localities, allowing for such disturbing factors, as traffic, gullies and less frequented parts of the town. I have made a beginning in this direction, and have completed E Ward West, and part finished many of the other wards.

The test-audit of the halalkhore staff has had most excellent results in reducing expenditure. In 1908-1909 the cost of the staff necessary for the efficient sanitation of the City was put by the Executive at Rs, 4,90,000, but owing to the action of this department, the staff actually cost only Rs. 4,65,000. However, even this was a large advance on the preceding three years, thus :—

Year.				Expenditure.
				Rs.
1905-06	...	...	...	4,23,000
1906-07	...	...	...	4,25,000
1907-08	...	...	...	4,50,000
In 1909-10	the	Expenditure	was	4,63,000
„ 1910-11	„	„	„	4,34,000
„ 1911-12	„	„	„	4,24,000

In 1912-13 I anticipate the outlay at not more than Rs. 4,18,000.

Thus in spite of the extension of the City northwards and the large increase in population in that direction, the expenditure on halalkhores in 1911-12 was gradually reduced to the same figure as in 1905-06, and is now progressing at a rate of Rs. 72,000 per annum, less than, it was stated in 1908-09, was required for the efficient sanitation of the City.

As you are aware, I have for quite 10 months been trying to obtain information from one of the wards of the City which would help me to standardize this class of labour. As you have now ordered it to be supplied without delay, it will be possible to further analyse the outlay that is being incurred.

98. Turning to Road Repairs, the year's figures are a very gratifying justification of the opposition for years maintained by me to the excessive demands of the Executive, and it must be as great a satisfaction to the present Executive Engineer that he has during the first year of his service so materially reduced the expenditure in this direction, as it is to me to know that the results aimed at for two years by test-audit have at last been achieved.

In para. 75 of my report for 1910-11, I showed that there was an apparent waste in both materials and labour, the cost per 100 square feet being in many wards most excessive.

I have, again and again, objected to the high standard price, *viz.*, Rs. 5-12-0 per 100 square feet fixed for full metalling.

It is, therefore, very gratifying to me to find that this year, the rate of full metalling works out to Rs. 4-7-1 per 100 square feet against last year's rate of Rs. 5-13-7 per 100 square feet.

The grants for Road Repairs asked for by the Executive Engineer, the increases proposed over the grants for previous years, the final grants sanctioned in the Budgets and the actual expenditure incurred are shown below for three years, *viz.*, 1909-10, 1910-11 and 1911-12 :—

Year.	Grant proposed by the Executive Engineer.	Budget Grant for the previous year.	Increase proposed.	Final Grants proposed.	Actual Expenditure.
	Rs.	Rs.	Rs.	Rs.	Rs.
1909-10	4,93,000	4,23,678	69,322	4,54,000	4,50,521
1910-11	5,73,000	4,54,000	1,19,000	4,75,000	4,61,088
1911-12	5,46,000	4,75,000	71,000	5,00,000	4,77,876

The enormous sum of Rs. 5,73,000, asked for in 1910-11, followed immediately on a lengthy report from the Executive Engineer, recorded in Corporation Resolution No. 3520 of the 16th September 1909, pointing to the absolute necessity for a large increase. This department, in the light of its test-audit experience, strongly opposed the large increase, and Rs. 4,75,000 only was sanctioned for 1910-11. For 1911-12 we gave Rs. 5,00,000 and the actual expenditure was only Rs. 4,77,876.

The outlay for 1911-12 included, however, a sum of Rs. 13,640 on account of increased rates of wages to labourers; so that for purposes of comparison the figures of demand and actual expenditure should read :—

	Rs.
Demand for 1910-11...	5,73,000
Actuals for 1911-12...	4,64,236
Decrease...Rs.	1,08,764

Comment in the face of such a result is superfluous. It fully bears out my contention repeatedly brought forward that in the road repairs grant there was a wastage of 15 to 20 per cent. of the total outlay, and that for efficient financial control access to initial documents and initial processes on the part of the Accounts and Finance Department is essential, for only by such means can analyses be obtained and comparisons instituted and audit transformed into a critical and intelligent check on expenditure.

99. In Road Watering there was a further saving of nearly Rs. 4,500 in bullock pairs, the expenditure being only Rs. 72,000, notwithstanding an increase of Rs. 2,000 in wages. The demand for 1909-10 was Rs. 90,000 and even for 1911-12 notwithstanding the introduction of more hydrants, the demand put forward was Rs. 86,500.

I think I may assume that demands of this character have now been finally laid to rest.

100. A test-audit of the accounts at Dhobiwada showed that we have been losing over Rs. 4,000 a year by an insufficient charge for service rendered. This is being now remedied.

101. The detection of a defalcation in the Office of the Deputy Health Officer, C Ward, though strictly appertaining to the accounts for 1912-13 is important enough to mention here. You have made a full report on the subject to the Corporation in your letter No. 11528 of 11th July 1912.

102. There is nothing in the test-audit of the Drainage and Water Works Departments which calls for any remarks.

103. The cost of the test-audit staff engaged in this office was only Rs. 4,105 for the year.

Fire Brigade.

104. The Fire Brigade tax realised during the year was Rs. 2,33,626-10-5 or Rs. 18,532-11-8 more than in the previous year. The expenditure on the Fire Brigade Department, including the cost of Motor Fire ladder, and Interest and Sinking Fund charges on the Fire Brigade loan, was Rs. 1,74,706-3-9, thus resulting in a surplus of Rs. 58,920-6-8. The total surplus is thus increased from Rs. 1,22,354-6-6 to Rs. 1,81,274-13-2. Deducting from the latter figure, the sum of Rs. 84,210-13-5 to be renewed in 1912-13 on account of charges incurred during 1911-12, but not paid before the close of that year, the net surplus to the credit of Fire Tax is reduced to Rs. 97,063-15-9.

General.

105. I append as usual the statement showing, as far as figures can show, the volume of work dealt with in my Department during the year under review as compared with previous years :—

YEARS.	NATURE OF WORK.			Inward Letters.	Outward Letters.
	Cash Payments to Employés.	Receipt Vouchers.	Debit Vouchers.		
	Rs.	No.	No.	No.	No.
1897-98	19,93,311	22,217	53,907	20,362	6,117
1908-09	31,71,350	36,096	84,474	* 18,671	11,176
1909-10	33,75,526	36,691	81,790	* 19,642	12,296
1910-11	30,95,813	37,351	90,419	* 17,878	11,410
1911-12	31,55,091	37,325	85,514	* 16,695	10,718
Percentage of increase in 1911-12 over 1897-98.	58·28	68	58·63	18 Decrease.	75·21

* Exclusive of bills, summaries, muster rolls, &c., which have been separately numbered.

I also subjoin a statement showing the cost of my Department in 1911-12 and and 1897-98, and the percentage of cost to Income and Expenditure :—

YEAR.	Cost of Staff at maximum rate of pay.	Income.	Expenditure.	Percentage of Cost of Staff to Income.	Percentage of Cost of Staff to Expenditure.
	Rs.	Rs.	Rs.		
1897-98	62,754	(*a*) 67,08,566	(*b*) 69,96,969	·93	·89
1911-12	(*c*) 89,486	1,26,55,789	1,14,84,562	·70	·77
Increase	26,732 or 42·59 per cent.	59,47,223 or 88·65 per cent.	44,87,593 or 64·13 per cent.	.....	.....

The percentage of cost of staff to Income and Expenditure for the year 1910-11 was ·76 and ·82 respectively.

(*a*) Excluding a rebate of Rs. 4,37,055 to current revenue in respect of Plague expenses debited to Revenue in 1896-97.

(*b*) Excluding Rs. 5,00,000 on account of Plague expenses debited to Revenue in 1897-98 which were subsequently transferred to Loan Funds.

(*c*) Excluding cost of stores establishment transferred to General Stores and including Rs. 1,424 on account of Plague staff employed in this department.

Personnel.

106. None of the Officers of the department were on leave during the year. Mr. Maneckshah C. Talyarkhan continued to occupy the post of Deputy Accountant, and, as during the whole of his service, conducted the duties of his office with a zeal and devotion too well known now to require any eulogy from me.

I have to record with the profoundest regret the death, on the 12th January 1912, of my Second Assistant Accountant Mr. Merwanji Madan, an Officer, who had endeared himself to me and my whole staff by his high character, and unfailing courtesy. His devotion to duty was rare and his premature death will long be felt by me.

I was also deprived, at the close of the year, of the services of my First Assistant Accountant, Mr. Bal Nilaji Pitale, an Officer, who during his 43 years of Municipal service deserved, as he obtained, the approbation of all with whom he came in contact.

Mr. Meherji Antia succeeded on probation to the appointment held by Mr. Madon and Mr. Harischandra Ramchandra also on probation, to the vacancy caused by Mr. Bal Nilaji's retirement.

Mr. Bulsara continued to acquit himself with credit as Senior Test Audit Clerk. On the whole I am satisfied with the manner in which the staff generally worked throughout the year.

107. The following are the Appendices attached to my report :—

No. 1. Revenue Account.

No. 2. Statement of Income realized during 1911-12.

No. 3. Statement of Town Duties collected and Refunds allowed in 1911-12.

No. 3 (*a*). Statement of Net Town Duties collected from 1902-03 to 1911-12.

No. 3 (*b*). Statement of Gross Town Duties levied during the five years ending 31st March 1912, Refunds allowed and the Net Income realized during that period.

No. 3 (*c*). Statement showing Town Duty Collections from each source month by month with the refunds admitted for the year 1911-12, as contrasted with those for the year 1910-11.

No. 4. Statement showing the final sanctioned expenditure grants for 1911-12.

No. 5. Statement showing the expenditure for 1911-12 as compared with the final sanctioned grants and the actuals for the preceding year.

No. 6. Statement showing the Surplus Cash Balance on 31st March 1912.

No. 6 (*a*). Statement showing the amounts of loans raised, the expenditure incurred therefrom and the invested balances remaining on 31st March 1912.

No. 6 (*b*). Statement showing (1) the various Municipal Loans and their amounts, (2) the expenditure incurred against each of them, (3) the amounts withdrawn temporarily from their unutilized balances to meet the cost of new works, &c., and (4) invested balances of the Loans on 31st March 1912.

No. 7. Statement showing the outstanding loans due by the Municipality on 31st March 1912.

No. 7 (*a*). Statement showing the amount which should have accumulated in the Sinking Fund on the basis of the fixed instalments and the amount actually invested upto 31st March 1912.

No. 8. Statement showing the interest outstanding on different Municipal Loans on 31st March 1912.

No. 9. Statement showing works executed out of Loan Funds during 1911-12.

No. 9 (*a*). Statement showing expenditure on Plague Operations for 1911-12 contrasted with the figures for 1910-11.

No. 10. Statement of Assets and Liabilities on 31st March 1912.

No. 10 (*a*). Statement showing expenditure on different Loan Works upto 31st March 1912.

No. 10 (*b*). Statement showing the Invested Surplus Loan and Reserve Fund Balances on 31st March 1912 as compared with those on 31st March 1911.

No. 11. Water Works Income and Expenditure Account including Statement of Income realizations for 5 years from water supply through meters.

No. 12. Water Works Assets and Liabilities.

No. 13. Statement of total Receipts and Disbursements for the year ending 31st March 1912.

No. 14. Statement of Liabilities incurred on Street Improvements and Rates and amounts actually paid.

No. 15 & 15 (*a*). Statement of Income and Expenditure of the Bombay Municipality from 1865 to close of the financial year 1911-12.

No. 16. Contrasted Statement of Income and Expenditure from the year 1865 to the Financial year 1911-12.

I have the honour to be,

Sir,

Your most obedient servant,

W. E. WAITE,

Chief Accountant.

Appendix No. 1.

Revenue Account for 1911-1912.

Revenue.	Amount.	Total.	Grand Total.
Taxation Proper.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1. General Tax	49,76,319 8 5		
2. Wheel Tax and Tolls	4,69,486 9 10		
3. Town Duties	12,47,097 8 2		
4. Licenses	1,13,776 12 3		
5. Receipts from Government for Liquor Licenses.	1,43,750 0 0		
6. Receipts from Government for Tobacco Duty ...	2,78,896 1 8		
		72,29,326 8 4	
Services rendered.			
7. Halalkhore Tax	12,92,697 9 6		
8. Water Tax and other Miscellaneous Water Works Revenue	20,79,119 12 5		
		33,71,817 5 11	
Returns from Property and Miscellaneous.			
9. Market Receipts	5,44,804 13 9		
10. Public Gardens	12,561 3 5		
11. Tramway Rent	54,542 14 1		
12. Contribution from Municipal Servants towards Pensions, &c., Fund	54,017 5 8		
13. Interest on Investments of Surplus Loan and other Balances... ... ... Rs. a. p. 2,24,279 12 8			
Interest on Sinking Insurance, Worn-out Water Mains Renewal, and Net Premia Funds Investments 4,88,901 1 0			
	7,13,180 13 8		
14. Interest at 3 per cent. on Corporation lands made over to C. I. Trust	37,275 13 3		
15. Payment by the City Improvement Trust of Credit Balance in General Account under Section 79 of Act IV of 1898	1,60,364 0 2		
16. Miscellaneous (*a*)	4,47,898 9 4	20,24,645 9 4	
17. Premia received on the 1st Instalment of Rs. 30 Lakhs Loan for Miscellaneous Works		30,000 0 0	1,26,55,789 7 7
		Total Rs. ...	1,26,55,789 7 7

Expenditure.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
1. General Superintendence	2,93,600 8 2		
2. Assessment and Collection and Revenue and Refund Audit Departments	3,75,203 13 3		
3. Fire Brigade	1,74,706 3 9		
4. Public Gardens—Maintenance and New Works..	76,091 1 7		
5. Public Works (Engineer's) Department... ...	22,69,793 1 5		
6. New Works	2,23,178 7 4		
7. Public Health Department	21,43,165 15 0		
8. General Stores	33,054 2 10		
9. Census	*Cr.* 2,540 3 8		
10. Education	4,20,311 3 7		
11. Hospitals	4,72,857 9 1		
12. Pensions, Gratuities and Compassionate Allowances	86,701 0 0		
13. Contribution to the City Improvement Trust ...	8,65,000 0 0		
14. Plague Expenses	1,55,903 0 0		
		75,87,025 14 4	
15. Municipal Debt—			
Interest and Charges on Loans	25,27,610 2 6		
Reduction of debt and payment of Sinking Fund, including investment of interest accrued on Sinking Fund	11,87,018 8 7		
		37,14,628 11 1	
16. Investments—			
Municipal Buildings Fire Insurance Fund ...	10,000 0 0		
Interest on the Insurance, Worn-out Water Mains Renewal, and Net Premia Funds ...	47,633 7 8		
		57,633 7 8	
17. Miscellaneous (*b*)		95,273 9 10	
18. Investment of the Premia received on the 1st Instalment of Rs. 30 Lakhs of the 55 Lakhs Loan for Miscellaneous Works raised in 1911-1912		30,000 0 0	1,14,84,561 10 11
	Excess of Income over Expenditure ...		11,71,227 12 8*
	Total Rs. ...		1,26,55,789 7 7

	Rs. a. p.
(*a*) Miscellaneous Fines	23,381 0 7
Do. Receipts...	2,48,859 5 11
Do. Fees	1,52,381 5 5
Do. Savings	8,757 3 3
Profit on Municipal Workshops	2,122 7 10
Actual Profit on sale of Stores to Contractors, &c.	7,518 1 7
Sale-proceeds of unserviceable Tools and Plant, &c.	4,879 0 9
Total Rs.	4,47,898 9 4

	Rs. a. p.
(*b*) Discretional Contingencies	7,262 6 3
Auditors' Allowance	10,000 0 0
Local Allowance	54,446 1 3
Loss on account of irrecoverable bills written off	95 5 2
House Rent	3,563 11 3
Cost of preparing the address of welcome to their Imperial Majesties	18,256 10 0
Cost of providing permanent flag-staffs on Municipal Office Buildings, &c.... ...	1,237 9 2
Writing off the difference between the price paid by the Municipality for the property at the junction of Mody Street and Agiary Lane, Fort, and the amount realized by its sale	411 14 9
Total Rs.	95,273 9 10

* This includes Rs. 5,00,000 transferred for writing off a portion of Plague Charges advanced from Loan Funds.

W. E. WAITE,
Chief Accountant.

P. R. CADELL,
Municipal Commissioner for the City of Bombay.

Appendix

IN

STATEMENT showing the Net Receipts during the Financial Year 1911-12 from all sources as con-

PARTICULARS.	Actuals for 1910-11.	Budget Estimate for 1911-12.	Revised Estimate for 1911-12.	Actuals for 1911-12.
1	2	3	4	5
	Rs. a. p.	Rs.	Rs. a. p.	Rs. a. p.
Taxation Proper.				
General Tax at 10½ per cent. (including Government and Port Trust Contributions) ...	43,61,660 7 0	45,36,000	47,02,765 0 0	47,42,692 14 0
Additional at ½ per cent. for Fire Brigade charges	2,15,093 14 9	2,24,000	2,32,235 0 0	2,33,626 10 5
	45,76,754 5 9	47,60,000	49,35,000 0 0	49,76,319 8 5
Wheel Tax and Tolls	4,72,198 5 4	4,50,000	4,80,000 0 0	4,69,486 9 10
Town Duties	16,86,659 8 9	15,50,000	12,50,000 0 0	12,47,097 8 2
Licenses—				
(*a*) Dangerous and Offensive Trades ...	87,810 8 0	85,000	89,500 0 0	1,00,109 8 0
(*b*) Streets and Buildings	5,795 0 0	5,000	5,000 0 0	4,975 0 0
(*c*) Land Conveyance, &c., Licenses ...	7,708 2 2	6,500	8,886 0 0	8,692 4 3
Receipts from Government for Liquor Licenses.	1,43,750 0 0	1,44,000	1,43,750 0 0	1,43,750 0 0
Do. do. Tobacco Duty ...	2,59,907 6 7	2,75,000	2,75,000 0 0	2,78,896 1 8
	72,38,583 4 7	72,75,500	71,87,136 0 0	72,29,326 8 4
Services rendered.				
Halalkhore Tax	12,32,950 8 5	12,76,000	12,77,000 0 0	12,92,697 9 6
Water Tax and other Misc. Water Works Revenue	19,95,327 7 4	20,05,000	20,55,000 0 0	20,79,119 12 5
	32,28,277 15 9	32,81,000	33,32,000 0 0	33,71,817 5 11
Returns from Property and Miscellaneous.				
Market Receipts	4,88,198 14 5	4,75,000	5,29,000 0 0	5,44,804 13 9
Public Gardens	9,831 8 3	9,500	11,000 0 0	12,561 3 5
Tramway Rent	54,468 4 9	55,000	55,000 0 0	54,542 14 1
Miscellaneous Fines	13,935 6 5	11,000	17,000 0 0	23,381 0 7
Do. Receipts	2,47,468 9 5	1,75,000	2,25,000 0 0	2,48,859 5 11
Do. Fees	1,16,403 9 3	1,05,000	1,45,000 0 0	1,52,381 5 5
Do. Savings	9,747 8 11	8,000	8,000 0 0	8,757 3 3
Contribution from Municipal Servants towards Pension, &c., Funds	37,994 13 3	30,000	55,000 0 0	54,017 5 8
Profit on Municipal Workshops	126 8 11	.....	.....	2,122 7 10
Actual Profit on sale of Stores to Contractors, &c.	6,889 12 4	2,000	5,500 0 0	7,518 1 7
Sale Proceeds of Unserviceable Tools and Plant, &c.	4,745 0 6	4,000	5,000 0 0	4,879 0 9
Interest on Investments of Surplus Loan and other Balances	2,00,961 2 6	1,85,000	1,95,000 0 0	2,24,279 12 8
Interest on 5, 4, and 3½ per cent. Municipal Loans Sinking Fund Investments	4,03,587 1 4	4,27,000	4,28,000 0 0	4,41,267 9 4
Interest on Municipal Buildings Fire Insurance Fund Investments	5,225 8 4	5,600	5,600 0 0	5,539 10 8
Interest on Worn-out Water Mains Renewal Fund Investments	24,716 2 4	25,200	26,200 0 0	24,112 13 4
Interest on Investments of the Net Premia, &c., Fund	14,531 11 6	12,200	15,200 0 0	17,980 15 8
Interest at 3 per cent. on Corporation lands made over to City Improvement Trust... ...	37,841 0 0	41,000	38,000 0 0	37,275 13 3
Payment by the City Improvement Trust of Credit Balance in General Account under Section 79 of Act IV of 1898	52,615 1 3	.....	1,60,364 0 0	1,60,364 0 2
	17,29,287 11 8	15,20,500	19,28,864 0 0	20,24,645 9 4
Total Rs. ...	1,21,96,149 0 0	1,20,77,000	1,24,43,000 0 0	1,26,25,789 7 7
Premia received on the 1st Instalment of Rs. 30 Lakhs of the 55 Lakhs Loan for Miscellaneous Works	.....	.....	30,000 0 0	30,000 0 0
Grand Total Rs. ...	1,21,96,149 0 0	1,20,77,000	1,24,73,000 0 0	1,26,55,789 7 7
				Less
				Net Increase Rs.

W. E. WAITE,
Chief Accountant.

No. 2.

COME.

trasted with the Original Budget Estimate, the Revised Estimate and the Actuals for 1910-11.

As compared with the Original Estimate.		As compared with the Revised Estimate.		As compared with the Actuals for 1910-1911.	
More.	Less.	More.	Less.	More.	Less.
6	7	8	9	10	11
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
2,06,692 14 0	.....	39,927 14 0	.....	3,81,032 7 0	.....
9,626 10 5	.....	1,391 10 5	.....	18,532 11 8	.....
2,16,319 8 5	.....	41,319 8 5	.....	3,99,565 2 8	.....
19,486 9 10	.....	.....	10,513 6 2	.....	2,711 11 6
.....	3,02,902 7 10	.....	2,902 7 10	.....	4,39,562 0 7
15,109 8 0	.....	10,609 8 0	.....	12,299 0 0	.....
.....	25 0 0	.....	25 0 0	1,180 0 0	.....
2,192 4 3	.....	.....	193 11 9	984 2 1	.....
.....	250 0 0	.....	.....	.....	.....
3,896 1 8	.....	3,896 1 8	.....	18,988 11 1	.....
2,57,004 0 2	3,03,177 7 10	55,825 2 1	13,634 9 9	4,38,016 15 10	4,42,273 12 1
16,697 9 6	.....	15,697 9 6	.....	59,747 1 1	.....
74,119 12 5	.....	24,119 12 5	.....	83,792 5 1	.....
90,817 5 11	.....	39,817 5 11	.....	1,43,539 6 2	.....
69,804 13 9	.....	15,804 13 9	.....	56,605 15 4	.....
3,061 3 5	.....	1,561 3 5	.....	2,729 11 2	.....
.....	457 1 11	.....	457 1 11	74 9 4	.....
12,381 0 7	.....	6,381 0 7	.....	9,445 10 2	.....
73,859 5 11	.....	23,859 5 11	.....	1,390 12 6	.....
47,381 5 5	.....	7,381 5 5	.....	35,977 12 2	.....
757 3 3	.....	757 3 3	.....	.....	990 5 8
24,017 5 8	.....	.....	982 10 4	16,022 8 5	.....
2,122 7 10	.....	2,122 7 10	.....	1,995 14 11	.....
5,518 1 7	.....	2,018 1 7	.....	628 5 3	.....
879 0 9	.....	.....	120 15 3	134 0 3	.....
89,279 12 8	.....	29,279 12 8	.....	23,318 10 2	.....
14,267 9 4	.....	13,267 9 4	.....	37,680 8 0	.....
.....	60 5 4	.....	60 5 4	314 2 4	.....
.....	1,087 2 8	.....	2,087 2 8	.....	603 5 0
5,780 15 8	.....	2,780 15 8	.....	3,449 4 2	.....
.....	3,724 2 9	.....	724 2 9	.....	565 2 9
1,60,364 0 2	.....	0 0 2	.....	1,07,748 14 11	.....
5,09,474 6 0	5,328 12 8	1,05,213 15 7	4,432 6 3	2,97,516 11 1	2,158 13 5
8,57,295 12 1	3,08,506 4 6	2,00,856 7 7	18,067 0 0	8,74,073 1 1	4,44,432 9 6
30,000 0 0	.....	.....	.....	30,000 0 0	.....
8,87,295 12 1	3,08,506 4 6	2,00,856 7 7	18,067 0 0	9,04,073 1 1	4,44,432 9 6
3,08,506 4 6		18,067 0 0		4,44,432 9 6	
5,78,789 7 7		1,82,789 7 7		4,59,640 7 7	

P. R. CADELL,
Municipal Commissioner.

Appendix

STATEMENT showing the quantity and value of several articles upon which Town Duty was

DUTY COLLECTED BY	GRAIN AND PULSE AT 6 ANNAS PER CANDY.			FLOUR OF ALL SORTS AT 75 PER CENT. OF THE RATE AT THE TIME BEING LEVIED ON THE GRAIN FROM WHICH FLOUR IS PREPARED.			WINES AND SPIRITS AT 4 ANNAS PER GALLON.			BEER AT 6 PIES PER GALLON.		
	Candies.	Furrás.	Amount of Duty.	Candies.	Furrás.	Amount of Duty.	Gallons.	Pints.	Amount of Duty.	Gallons.	Pints.	Amount of Duty.
BOMBAY PORT TRUST.			Rs. a. p.			Rs. a. p.			Rs. a. p.			Rs. a. p.
April 1911	55,638	1	20,864 4 9	....	..	.....	75,340	6	18,835 2 10	65,138	4	2,035 9 3
May .. .. .. ,,	60,624	5	22,734 4 1	....	..	.....	78,989	7	19,747 7 7	1,11,495	4	3,484 3 9
June .. .. .. ,,	69,036	4	25,888 10 9	1	1	0 5 0	79,531	5	19,882 14 8	86,747	4	2,710 13 9
July .. .. .. ,,	23,603	3	8,851 4 0	....	..	.....	71,085	6	17,771 6 9	1,44,449	0	4,514 0 6
August .. .. ,,	50,806	4	19,052 7 0	....	..	.....	71,578	7	17,894 11 6	61,865	0	1,933 4 6
September .. .. ,,	46,472	1	17,427 0 9	....	..	.....	80,887	6	20,221 15 0	1,10,617	0	3,456 12 6
October .. .. ,,	24,144	3	9,054 2 0	....	..	.....	79,145	7	19,786 7 4	80,659	4	2,520 9 9
November .. .. ,,	1,08,561	0	40,717 14 3	....	..	.....	93,729	1	23,432 4 3	1,32,693	0	4,146 10 6
December .. .. ,,	19,341	6	7,253 2 6	2	5	0 12 0	93,174	5	23,293 10 9	1,10,602	0	3,456 5 0
January 1912	56,908	5	21,340 11 6	....	..	.....	87,778	4	21,943 5 10	1,02,229	0	3,194 10 6
February .. .. ,,	45,573	5	17,090 1 6	....	..	.....	95,788	2	23,947 0 10	99,136	0	3,098 0 0
March .. .. ,,	50,586	4	18,969 15 3	2	1	0 9 9	82,124	2	20,531 0 9	1,39,828	4	4,369 10 3
Total ..	6,11,317	1	2,29,243 14 4	5	7	1 10 9	9,89,150	2	2,47,287 8 1	12,45,460	4	38,920 10 3
G. I. P. RAILWAY.												
April 1911	91,721	1	34,395 7 0	96	7	27 4 0	155	..	38 12 0	1,168	..	36 8 0
May .. .. .. ,,	1,98,950	7	74,606 9 0	....	..	.....	196	..	49 0 0	378	..	11 13 0
June .. .. .. ,,	1,02,575	4	38,465 13 0	4	4	1 4 0	84	..	21 0 0	122	..	3 13 0
July .. .. .. ,,	70,271	1	26,351 11 0	....	..	.....	138	..	34 8 0	38	..	1 3 0
August .. .. ,,	1,04,342	5	39,128 2 0	....	..	.....	161	..	40 4 0	72	..	2 4 0
September .. .. ,,	1,83,504	5	68,814 4 0	....	4	0 2 0	143	..	35 12 0	1,728	..	54 0 0
October .. .. ,,	82,123	1	30,796 3 0	....	4	0 2 0	203	..	50 12 0	1,116	..	34 14 0
November .. .. ,,	1,18,083	1	44,281 3 0	3	3	0 15 0	184	..	46 0 0	1,758	..	54 15 0
December .. .. ,,	1,55,367	1	58,262 11 0	15	3	4 5 0	670	..	167 8 0	1,204	..	37 10 0
January 1912	1,75,948	..	65,980 8 0	5	6	1 10 0	357	..	89 4 0	3,800	..	118 12 0
February .. .. ,,	1,52,445	3	57,167 0 0	2	..	0 9 0	40	..	10 0 0	606	..	18 15 0
March .. .. .. ,,	1,19,639	5	44,864 14 0	3	4	1 0 0	62	..	15 8 0	640	..	20 0 0
Total ..	15,54,971	2	5,83,114 5 0	132	3	37 3 0	2,393	..	598 4 0	12,630	..	394 11 0
B. B. & C. I. RY. Co.												
April 1911	35,070	5	13,151 10 0	297	1	83 9 0	....	..	.....	....	..	.....
May .. .. .. ,,	74,804	1	28,051 9 0	100	5	28 5 0	....	..	.....	76	..	2 6 0
June .. .. .. ,,	47,056	5	17,646 4 0	156	2	43 15 0	....	..	.....	....	..	.....
July .. .. .. ,,	28,905	..	10,839 6 0	152	4	42 14 0	2	..	0 8 0	98	..	3 1 0
August .. .. ,,	37,226	..	13,959 12 0	213	1	59 15 0	12	..	3 0 0	....	..	.....
September .. .. ,,	24,198	5	9,074 8 0	476	2	133 15 0	....	..	.....	....	..	.....
October .. .. ,,	22,731	4	8,524 5 0	441	1	124 2 0	....	..	.....	....	..	.....
November .. .. ,,	28,579	3	10,717 4 0	159	3	44 13 0	....	..	.....	....	..	.....
December .. .. ,,	29,267	..	10,975 6 0	116	4	32 12 0	....	..	.....	....	..	.....
January 1912	41,387	5	15,520 7 0	242	4	68 3 0	90	..	22 8 0	....	..	.....
February .. .. ,,	59,461	5	22,298 2 0	471	3	132 9 0	122	..	30 8 0	....	..	.....
March .. .. .. ,,	39,727	5	14,897 14 0	655	6	184 7 0	45	4	11 6 0	....	..	.....
Total ..	4,68,415	6	1,75,656 7 0	3,482	4	979 7 0	271	4	67 14 0	174	..	5 7 0
GRAND TOTAL ..	26,34,704	1	9,88,014 10 4	3,620	6	1,018 4 9	9,91,814	6	2,47,953 10 1	12,58,264	4	39,320 12 3
Deduct— Refunds passed by the Revenue and Refund Audit Officer ..	13,89,262	7	5,20,973 9 0	1,19,521	1	33,615 5 0	1,10,483	3	27,620 15 0	8,89,686	..	27,802 11 0
Net Revenue ..	12,45,441	2	4,67,041 1 4	....	..	.....	8,81,331	3	2,20,332 11 1	3,68,578	4	11,518 1 3
Less— Refunds passed in excess of Collections	..	..	....	1,16,900	3	32,597 0 3	....	..	.....	....	..	.....

ABSTRACT.

Balance on 31st March 1911 due by—			
Port Trust	Rs. a. p. 8,360 0 6	Rs. a. p.	
G. I. P. Railway	19,417 14 0		
B. B. & C. I. Railway	1,921 7 0		
		29,699 5 6	
Add—			
Collections in 1911-1912—			
Port Trust	21,72,626 6 5		
G. I. P. Railway	7,13,662 10 9		
B. B. & C. I. Railway	2,61,960 2 6		
		31,48,249 3 8	
		31,77,948 9 2	
Deduct—			
Refunds paid in 1911-1912	18,76,209 11 0		
Balance on 31st March 1912 due by— Port Trust	Rs. a. p. 6,763 3 3		
G. I. P. Railway	35,882 3 6		
B. B. & C. I. Railway	1,442 9 0		
	42,093 15 9		
		19,18,303 10 9	
Total .. Rs.		12,59,644 14 5	
Less— Amount credited in the books of this office during 1912-13		12,547 6 3	
Total as per Books .. Rs.		12,47,097 8 2	

W. E. WAITE,
Chief Accountant.

No. 3.

levied during 1911-12, under Section 192 (1) of the City of Bombay Municipal Act of 1888.

Sugar at 8 Annas per Cwt.				Ghee at 10 Annas per Maund.			Timber at 2½ per cent. on Market Value.		Firewood at 2 Annas per Candy.			Total Monthly Collections.
Cwts.	qrs.	lbs.	Amount of Duty.	Maunds.	Seers.	Amount of Duty.	Value.	Amount of Duty.	Candies.	Maunds.	Amount of Duty.	
			Rs. a. p.			Rs. a. p.	Rs. a. p.	Rs. a. p.			Rs. a. p.	Rs. a. p.
220,084	3	21	1,10,042 7 6	20,823	35	13,014 14 9	6,68,990 0 0	16,724 12 0	71,124	21	8,890 9 9	1,90,407 12 10
360,147	0	21	1,80,073 9 6	17,058	5	10,661 5 3	9,36,850 10 0	23,421 4 3	63,457	22	7,932 3 7	2,68,054 6 0
104,696	1	8	52,348 2 7	10,371	2	6,481 14 6	5,76,526 14 0	14,413 2 9	281	21	35 3 6	1,21,761 3 6
75,400	0	21	37,700 1 6	8,405	8	5,253 4 0	10,59,934 12 8	26,498 5 11	27	..	3 6 0	1,00,591 12 8
248,562	2	14	1,24,281 5 0	17,985	14	11,240 13 6	6,91,589 9 4	17,289 11 10	115	14	14 7 0	1,31,706 12 4
166,758	1	14	83,379 3 0	11,409	32	7,131 2 0	6,63,904 9 4	16,597 9 10	2,161	..	270 2 0	1,48,483 13 1
21,2741	3	10	1,06,370 14 9	16,622	10	10,388 14 6	7,73,793 15 4	19 344 13 7	33,297	7	4,162 2 6	1,71,628 0 5
157,267	0	18	78,628 9 3	22,801	38	14.251 3 6	8,41,451 7 4	21,036 4 7	40,593	4	5,074 2 3	1,87,287 0 7
205,149	2	17	1,02,574 13 3	21,922	29	13,701 11 3	6,12,296 4 0	15.307 6 6	35,829	24	4,478 11 9	1,70,066 9 0
350,263	0	14	1,75,131 9 0	23,227	13	14,517 1 3	10,44,676 10 8	26,116 14 8	54,505	..	6,813 2 0	2,69,057 6 9
74,135	0	21	37,067 9 6	20,853	2	13,033 2 6	6,38,375 10 0	15,959 6 3	71,949	..	8,993 10 0	1,19,188 14 7
310,063	2	4	1,55,031 4 3	21,449	33	13,406 2 3	5,16,661 10 8	12,916 8 8	73,339	21	9,167 7 6	2,34,392 10 8
2,485,259	0	15	12,42,629 9 1	212,930	21	1.33,081 9 3	90,25,052 1 4	2,25,626 4 10	446,681	22	55,835 3 10	21,72,626 8 5
9,322	2	14	4,661 5 0	7,165	5	4,478 3 3	3,657 8 0	91 7 0	2,222	..	277 12 0	44,006 10 3
6,501	2	14	3,250 13 0	2,365	3	1,478 2 9	4,025 0 0	100 10 0	1,249	..	156 2 0	79 653 1 9
836	1	14	418 3 0	5,537	3	3,460 10 9	4 117 8 0	102 15 0	2,865	14	358 3 0	42 831 13 9
3,528	2	0	1,764 4 0	6,155	18	3,847 2 6	1,277 8 0	31 15 0	1,156	..	144 8 0	32,175 3 6
4,265	3	0	2,132 14 0	5,390	39	3,369 5 9	2,147 8 0	53 11 0	1,779	..	222 6 0	44,948 14 9
7,813	2	0	3,906 12 0	9,808	24	6,130 8 6	1,822 8 0	45 9 0	2,569	..	321 2 0	72,308 1 6
5,606	3	14	2,803 7 0	18,262	2	11,413 12 6	390 0 0	9 12 0	2,702	..	337 12 0	45,446 10 6
5,636	3	14	2,818 7 0	18,593	24	11 621 0 9	8,540 0 0	213 8 0	2,237	..	279 10 0	59,315 10 9
6,011	0	0	3,005 8 0	20,479	18	12,799 10 6	3,392 8 0	84 13 0	2.206	..	275 12 0	74,637 13 6
8,599	3	14	4.299 15 0	17.352	14	10,845 3 6	3,932 8 0	98 5 0	1,754	..	219 4 0	81,632 13 6
12,157	2	0	6,078 12 0	15,017	10	9,385 12 6	572 8 0	14 5 0	2,246	14	280 13 9	72,956 2 6
8,708	1	0	4,354 2 0	11,596	14	7,247 11 6	692 8 0	17 5 0	1,673	..	209 2 0	56,729 10 6
78,988	3	0	39,494 6 0	137,723	24	86,077 4 9	34,567 8 0	864 3 0	24,659	..	3,082 6 0	7,13,662 10 9
.....			.....	15,387	8	9,617 0 0	1,100 0 0	27 8 0	13,870	..	1,733 12 0	24,613 7 0
.....			.....	7,744	8	4,840 2 0	1,025 0 0	25 10 0	8,398	..	1,049 12 0	33,997 12 0
2	3	0	1 6 0	8,196	..	5,123 8 0	980 0 0	24 8 0	11,242	14	1,405 5 0	24,243 14 0
1	1	14	0 11 0	11.251	..	7.031 14 0	900 0 0	22 8 0	7,651	14	956 7 0	18,897 5 0
1	2	14	0 13 0	8,336	12	5,210 3 0	.....	.....	5,718	..	714 12 0	19,948 7 0
.....			.....	11,173	4	6,983 3 0	400 0 0	10 0 0	11,678	14	1,459 13 0	17,661 7 0
.....			.....	6,622	..	4,138 12 0	625 0 0	15 10 0	6,650	..	831 4 0	13,634 1 0
41	0	0	20 8 0	9,994	16	6,246 8 0	.....	.....	7,380	14	923 11 0	17.952 12 0
175	0	0	87 8 0	6,867	16	4,292 2 0	.....	.....	11.002	..	1,375 4 0	16,763 0 0
739	1	14	369 11 0	10,737	26	6711 0 6	525 0 0	13 2 0	8 277	..	1.034 10 0	23,739 9 6
294	0	14	147 1 0	9,468	36	5,918 1 0	825 0 0	20 10 0	5,774	..	721 12 0	29,268 11 0
8	3	14	4 7 0	8,335	12	5,209 9 0	.....	.....	7,457	..	932 2 0	21.239 13 0
1,264	0	14	632 1 0	114,113	18	71,320 14 6	6,380 0 0	159 8 0	105,099	..	13,138 8 0	2,61,960 2 6
25,65,512	0	1	12,82,756 0 1	464,767	23	2,90,479 12 6	90,65,999 9 4	2,26,649 15 10	576,439	22	72,056 1 10	31,48,249 3 8
22,65,852	0	14	11,32,926 1 0	33,407	28	20,879 13 0	12,48,892 8 0	31,222 5 0	....	..	.....	17,95,040 11 0
2,99,659	3	15	1,49,829 15 1	431,359	35	2,69,599 15 6	78,17,107 1 4	1,95,427 10 10	576,439	22	72,056 1 10	13,35,805 8 11
.....			.....	....	..	.....	.....	.....	....	..	.....	32,597 0 3
											Net Revenue .. Rs.	13,53,208 8 8

P. R. CADELL,
Municipal Commissioner.

Appendix No. 3.A.

STATEMENT showing the net Revenue derived on different dutiable articles during the last ten years commencing from 1902-03 to 1911-12.

Articles.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.
	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 6.	@ annas 6.
Grain	2,98,904 0 0	2,78,048 0 0	3,15,734 5 9	2,77,592 8 11	3,00,796 3 6	2,90,720 4 0	3,22,886 2 0	2,70,212 1 9	4,43,484 15 8	4,67,041 1 4
	@ annas 3.	@ annas 3.	@ annas 3.	@ annas 3.	@ annas 3.	@ annas 3.	@ annas 3.	@ annas 3.	@ annas 4½.	@ annas 4½.
Flour	—21,741 0 0	—22,942 0 0	—23,615 0 9	—24,870 8 6	—23,680 15 0	—20,701 15 6	—16,150 11 9	—15,267 7 0	—26,023 5 0	—32,597 0 3
	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.	@ annas 4.
Wines and Spirits ...	2,35,030 0 0	2,51,011 0 0	2,51,303 1 10	2,67,019 9 9	2,37,582 7 4	2,51,335 6 4	2,29,959 12 10	2,37,077 4 5	2,38,315 5 0	2,20,832 11 1
	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.	@ pies 6.
Beer	10,575 0 0	8,231 0 0	16,384 9 8	19,499 11 2	11,645 10 10	15,143 9 0	8,353 4 3	12,858 2 7	11,293 15 0	11,518 1 3

	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.	@ annas 8.
Sugar...	3,34,780 0 0	1,86,117 0 0	5,35,570 8 0	1,81,326 5 6	3,69,549 2 0	3,73,378 14 6	3,61,917 15 6	4,38,451 8 3	4,46,837 7 8	1,49,829 15 1
	@ annas 8.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.	@ annas 10.
Ghee	1,63,756 0 0	2,21,287 0 0	2,29,309 2 1	2,44,473 7 3	2,42,731 10 9	2,53,304 12 0	2,51,745 12 1	2,45,195 1 10	2,54,687 13 2	2,69,599 15 6
	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀	@ 2½°/₀
Timber	1,04,358 0 0	1,29,304 0 0	1,45,269 8 4	1,64,802 3 1	1,77,011 10 4	1,52,349 0 4	1,64,969 12 11	1,74,592 10 10	1,53,324 14 5	1,95,427 10 10
	@ anna 1.	@ anna 1.	@ anna 1.	@ anna 1.	@ anna 1.	@ anna 1.	.....	.....	@ annas 2.	@ annas 2.
Firewood	34,754 0 0	36,067 0 0	36,824 11 9	36,407 12 9	36,168 12 3	13 6 0	.....	.....	70,248 5 1	72,056 1 10
Total Rs...	11,60,416 0 0	10,87,123 0 0	15,06,780 14 8	11,66,251 1 11	13,51,804 10 0	13,15,543 4 8	13,23,181 15 10	13,63,119 6 8	15,92,169 7 0	13,53,208 8 8

N.B.—This statement shows the net Revenue after deducting from gross collections refunds *passed* for payment by the Revenue and Refund Audit Officer, though such refunds may not actually have been fully paid.

W. E. WAITE,
Chief Accountant.

P. R. CADELL,
Municipal Commissioner.

Appendix

STATEMENT showing the actual Collections, Refunds admitted and Net

ARTICLES.	1907-08.			1908-09.		
	Gross Collections.	Refunds.	Net Revenue.	Gross Collections.	Refunds.	Net Revenue.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Grain	4,60,517 2 0	1,69,796 14 0	2,90,720 4 0	4,66,180 10 0	1,43,794 8 0	3,22,386 2 0
Flour	643 3 6	21,345 3 0	—20,701 15 6	1,156 1 3	17,306 13 0	—16,150 11 9
Wines and Spirits	2,73,655 0 4	22,319 10 0	2,51,335 6 4	2,51,471 5 10	21,511 9 0	2,29,959 12 10
Beer	51,899 13 0	36,756 4 0	15,143 9 0	32,933 9 5	24,580 5 0	8,353 4 5
Sugar	16,49,633 1 6	12,76,254 3 0	3,73,378 14 6	14,96,188 11 6	11,34,270 12 0	3,61,917 15 6
Ghee	2,77,490 14 0	24,186 2 0	2,53,304 12 0	2,79,579 13 1	27,834 1 0	2,51,745 12 1
Timber	1,86,911 14 4	34,562 14 0	1,52,349 0 4	1,98,682 5 11	33,712 9 0	1,64,969 12 11
Firewood	13 6 0	.....	13 6 0	.....	.....	.....
Total Rs. ...	29,00,764 6 8	15,85,221 2 0	13,15,543 4 8	27,26,192 8 10	14,03,010 9 0	13,23,181 15 10

W. E. WAITE,
Chief Accountant.

No. 3-B.

Revenue during the five years from 1907-08 to 1911-12.

1909-10.			1910-11.			1911-12.		
Gross Collections.	Refunds.	Net Revenue.	Gross Collections.	Refunds.	Net Revenue.	Gross Collections.	Refunds.	Net Revenue.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
5,35,718 15 9	2,65,506 14 0	2,70,212 1 9	8,22,756 8 8	3,79,271 9 0	4,43,484 15 8	9,88,014 10 4	5,20,973 9 0	4,67,041 1 4
879 9 0	16,147 0 0	—15,267 7 0	954 8 0	26,977 13 0	—26,023 5 0	1,018 4 9	33,615 5 0	—32,597 0 3
2,61,242 15 5	24,165 11 0	2,37,077 4 5	2,61,553 13 0	23,238 8 0	2,38,315 5 0	2,47,953 10 1	27,620 15 0	2,20,332 11 1
37,519 13 7	24,661 11 0	12,858 2 7	37,186 12 0	25,892 13 0	11,293 15 0	39,320 12 3	27,802 11 0	11,518 1 3
16,15,909 12 3	11,77,458 4 0	4,38,451 8 3	17,89,022 8 8	13,42,185 1 0	4,46,837 7 8	12,82,756 0 1	11,32,926 1 0	1,49,829 15 1
2,71,708 11 10	26,513 10 0	2,45,195 1 10	2,81,971 5 2	27,283 8 0	2,54,687 13 2	2,90,479 12 6	20,879 13 0	2,69,599 15 6
2,06,550 12 10	31,958 2 0	1,74,592 10 10	1,85,851 11 5	32,526 13 0	1,53,324 14 5	2,26,649 15 10	31,222 5 0	1,95,427 10 10
.....	.....	.....	70,248 5 1	.....	70,248 5 1	72,056 1 10	.....	72,056 1 10
29,29,530 10 8	15,66,411 4 0	13,63,119 6 8	34,49,545 8 0	18,57,376 1 0	15,92,169 7 0	31,48,249 3 8	17,95,040 11 0	13,53,208 8 8

P. R. CADELL,
Municipal Commissioner.

Appendix

Statement showing Town Duty Collections from each source month by month with

MONTH.	Grain.		Flour.		Wines and Spirit.		Beer.	
	1910-11.	1911-12.	1910-11.	1911-12.	1910-11.	1911-12.	1910-11.	1911-12.
BOMBAY PORT TRUST.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
April	45,348 6 0	20,864 4 9	....	....	23,619 11 1	18,835 2 10	2,106 5 0	2,035 9 3
May	52,214 8 7	22,734 4 1	....	....	20,589 15 4	19,747 7 7	3,015 0 0	3,484 3 9
June	52,204 9 2	25,888 10 9	....	0 5 0	18,810 7 9	19,882 14 8	2,848 4 6	2,710 13 9
July	24,974 0 6	8,851 4 0	....	....	20,048 6 2	17,771 6 9	2,907 6 0	4,514 0 6
August	28,129 15 6	19,052 7 0	1 2 0	....	18,114 8 8	17,894 11 6	3,552 1 0	1,933 4 6
September	11,258 15 0	17,427 0 9	20 13 0	....	20,793 0 10	20,221 15 0	2,593 9 6	3,456 12 6
October	11,623 8 9	9,054 2 0	....	....	23,554 1 4	19,786 7 4	3,157 6 3	2,520 9 9
November	18,713 15 5	40,717 14 3	20 14 0	....	21,518 0 1	25,432 4 3	3,402 3 6	4,146 10 6
December	10,437 8 0	7,253 2 6	1 5 0	0 12 0	25,604 6 10	23,293 10 9	4,263 5 0	3,456 5 0
January	31,657 0 3	21,340 11 6	3 11 0	....	20,799 2 6	21,943 5 10	3,008 5 0	3,194 10 6
February	12,487 0 6	17,090 1 6	....	....	22,074 6 1	23,947 0 10	3,034 7 0	3,098 0 0
March	25,885 7 6	18,969 15 3	0 15 0	0 9 9	25,480 6 3	20,531 0 9	3,190 4 3	4,369 10 3
Total ..	3,24,934 15 2	2,29,243 14 4	48 12 0	1 10 9	2,61,006 8 6	2,47,287 8 1	37,084 9 0	38,920 10 3
G. I. P. RAILWAY.								
April	27,577 15 6	34,395 7 0	54 14 0	27 4 0	46 0 0	38 12 0	3 11 0	36 8 0
May	22,397 15 9	74,606 9 0	95 10 0	....	41 6 0	49 0 0	14 13 0	11 13 0
June	8,317 0 0	38,465 13 0	0 4 0	1 4 0	40 13 6	21 0 0	4 11 0	3 13 0
July	14,195 2 0	26,351 11 0	....	....	11 4 0	34 8 0	3 2 0	1 3 0
August	14,691 7 0	39,128 2 0	0 1 0	....	22 6 0	40 4 0	6 11 0	2 4 0
September	20,002 15 0	68,814 4 0	0 9 0	0 2 0	59 5 0	35 12 0	3 6 0	54 0 0
October	19,515 7 0	30,796 3 0	....	0 2 0	34 0 0	50 12 0	3 9 0	34 14 0
November	21,563 14 0	44,281 3 0	0 4 0	0 15 0	48 8 0	46 0 0	3 1 0	54 15 0
December	36,109 12 0	58,262 11 0	....	4 5 0	47 8 0	167 8 0	6 15 0	37 10 0
January	50,416 4 0	65,930 8 0	1 11 0	1 10 0	47 8 0	89 4 0	21 8 0	118 12 0
February	33,845 15 0	57,167 0 0	27 11 0	0 9 0	29 8 0	10 0 0	3 11 0	18 15 0
March	22,744 1 0	44,364 14 0	0 13 0	1 0 0	40 8 0	15 8 0	25 4 0	20 0 0
Total ..	2,91,377 11 6	5,83,114 5 0	181 13 0	37 3 0	468 10 6	598 4 0	100 3 0	394 11 0
B. B. & C. I. RAILWAY.								
April	12,997 10 0	13,151 10 0	21 9 0	83 9 0	0 8 0	....	....	....
May	25,379 10 0	28,051 9 0	24 5 0	28 5 0	2 0 0	....	....	2 6 0
June	12,964 7 0	17,646 4 0	81 4 0	43 15 0	0 2 0	....	....	....
July	16,517 10 0	10,839 6 0	57 5 0	42 14 0	4 0 0	0 8 0	....	3 1 0
August	22,275 9 0	13,959 12 0	46 2 0	59 15 0	....	3 0 0	....	....
September	19,079 5 0	9,074 8 0	53 5 0	133 15 0	....	....	....	....
October	16,626 0 0	8,524 5 0	38 15 0	124 2 0	12 8 0	....	1 8 0	....
November	13,200 8 0	10,717 4 0	22 9 0	44 13 0	1 8 0	....	....	....
December	20,365 13 0	10,975 6 0	164 1 0	32 12 0	12 8 0	....	....	....
January..	15,797 9 0	15,520 7 0	68 4 0	68 3 0	....	22 8 0	....	....
February	15,830 6 0	22,298 2 0	39 2 0	132 9 0	3 8 0	30 8 0	....	....
March	15,409 7 0	14,897 14 0	107 2 0	184 7 0	42 0 0	11 6 0	0 8 0	....
Total ..	2,06,443 14 0	1,75,656 7 0	723 15 0	979 7 0	78 10 0	67 14 0	2 0 0	5 7 0
GRAND TOTAL ..	8,22,756 8 8	9,88,014 10 4	954 8 0	1,018 4 9	2,61,553 13 0	2,47,953 10 1	37,186 12 0	39,320 12 3
Less— REFUNDS PASSED BY THE R. & R. A. OFFICER	3,79,271 9 0	5,20,973 9 0	28,977 13 0	33,615 5 0	23,238 8 0	27,620 15 0	25,892 13 0	27,802 11 0
NET REVENUE ..	4,43,484 15 8	4,67,041 1 4	—26,023 5 0	—32,597 0 3	2,38,315 5 0	2,20,332 11 1	11,293 15 0	11,518 1 3

* Revenue from Town Duties—

	Rs. a. p.
For 1910-1911	15,92,169 7 0
For 1911-1912	13,53,208 8 8
Decrease of Rs.	2,38,960 14 4

	Rs. a. p.		
Refunds admitted by the R. & R. A. Officer, for 1910-1911..	18,57,376 1 0		
Refunds passed by the Account Office during 1910-1911	17,61,740 1 0		
Rs.	95,636 0 0		
Less—Difference between the Collection payable on 1st April 1910 and 1st April 1911—			
	Rs. a. p.		
	29,699 5 6		
	28,553 7 3	1,145 14 3	94,490 1 9
Refunds admitted by the R. & R. A. Officer for 1911-1912.. .. .. .. Rs	1,7,95,040 11 0		
Refunds passed by the Account Office for 1911-1912 .. .. .. ,,	18,76,209 11 0		
Difference .. Rs.	81,169 0 0		
Add—Difference between the collection payable on 1st April 1911 and 1st April 1912—			
Rs.	42,093 15 9		
,,	29,699 5 6		
	12,394 10 3		
Add—Collection pertaining to 1911-1912 booked in 1912-1913	12,547 6 3		
		1,06,111 0 6	
Decrease shown in Appendix No. 2 .. Rs.		4,39,562 0 7	

W. E. WAITE,
Chief Accountant.

No. 3-C.

the refunds admitted for the year 1911-12 as contrasted with those for the year 1910-11.

Sugar.		Ghee.		Timber.		Firewood.		Total.	
1910-11.	1911-12.	1910-11.	1911-12.	1910-11.	1911-12.	1910-11.	1911-12.	1910-11.	1911-12.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1,12,802 13 3	1,10,042 7 6	11,579 5 6	13,014 14 9	17,651 14 1	16,724 12 0	7,323 7 0	8,890 9 9	2,20,431 13 11	1,90,407 12 10
1,71,937 7 10	1,80,073 9 6	10,959 1 9	10,661 5 3	19,386 9 4	23,421 4 3	6,450 13 1	7,932 3 7	2,84,533 7 11	2,68,054 6 0
62,371 1 6	52,348 2 7	6,874 2 0	6,481 14 6	13,764 13 8	14,413 2 9	392 3 0	35 3 6	1,57,265 9 7	1,21,761 3 6
43,720 14 6	37,700 1 6	6,708 15 9	5,253 4 0	17,477 3 9	26,498 5 11	4 6 0	3 6 0	1,15,841 4 8	1,00,591 12 8
33,175 6 0	1,24,281 5 0	10,996 14 8	11,240 13 6	12,108 0 6	17,289 11 10	79 13 0	14 7 0	1,06,163 12 11	1,91,706 12 4
2,61,864 12 6	83,379 3 0	7,673 10 0	7,131 2 0	15,208 10 11	16,597 9 10	680 8 0	270 2 0	3,20,093 15 9	1,48,483 13 1
2,17,051 4 11	1,06,370 14 9	7,114 4 0	10,388 14 6	13,314 14 5	19,344 13 7	3,738 12 0	4,162 2 6	2,84,554 3 8	1,71,628 0 5
1,26,309 1 3	78,628 9 3	7,417 2 0	14,251 3 6	10,463 15 1	21,036 4 7	4,503 13 0	5,074 2 3	1,92,349 0 4	1,87,287 0 7
1,90,950 8 0	1,02,574 13 3	14,348 2 3	13,701 11 3	16,405 13 3	15,307 6 6	4,228 10 6	4,478 11 9	2,66,239 10 10	1,70,066 9 0
1,44,480 15 11	1,75,131 9 0	15,669 6 6	14,517 1 3	14,758 3 3	26,116 14 8	5,704 5 6	6,813 2 0	2,36,081 1 11	2,69,057 6 3
1,63,808 14 0	37,087 9 6	11,326 2 0	13,033 2 6	12,211 13 5	15,959 6 3	7,341 9 6	8,993 10 0	2,32,284 4 6	1,19,188 14 7
2,23,179 5 0	1,55,031 4 3	11,168 12 0	13,406 2 3	17,171 6 9	12,916 8 8	9,640 0 6	9,167 7 6	3,15,716 9 3	2,34,392 10 8
17,51,652 8 8	12,42,629 9 1	1,21,815 14 5	1,33,081 9 3	1,84,923 6 5	2,25,626 4 10	50,088 5 1	55,835 3 10	27,31,554 15 3	21,72,626 6 5
3,480 4 0	4,661 5 0	7,807 14 0	4,478 3 3	98 7 0	91 7 0	24 5 0	277 12 0	39,093 6 6	44,008 10 3
2,609 2 0	3,250 13 0	1,837 13 6	1,478 2 9	249 8 6	100 10 0	70 12 0	156 2 0	27,316 12 6	79,653 1 9
1,835 8 0	418 3 0	2,683 14 0	3,460 10 9	168 4 0	102 15 0	213 12 0	358 3 0	13,264 2 6	42,831 13 9
1,640 9 0	1,764 4 0	1,415 10 0	3,847 2 6	56 2 0	31 15 0	32 6 0	144 8 0	17,354 3 0	32,175 3 6
3,048 2 0	2,132 14 0	4,351 15 0	3,369 5 9	12 8 0	53 11 0	132 0 0	222 6 0	22,265 2 0	44,948 14 9
3,131 7 0	3,906 12 0	8,921 0 3	6,130 8 6	16 0 0	45 9 0	385 14 0	321 2 0	32,520 8 3	79,308 1 6
4,494 14 0	2,803 7 0	11,584 2 6	11,413 12 6	18 7 0	9 12 0	165 15 0	337 12 0	35,816 6 6	45,446 10 6
2,075 2 0	2,818 7 0	7,427 8 9	11,521 0 9	64 2 0	213 8 0	96 1 0	279 10 0	31,178 8 9	59,315 10 9
4,225 9 0	3,005 8 0	10,838 2 9	12,799 10 6	37 11 0	84 13 0	166 2 0	275 12 0	51,431 11 9	74,637 13 6
4,367 12 0	4,299 15 0	7,905 2 3	10,845 3 6	32 10 0	98 5 0	280 6 0	219 4 0	63,172 13 3	81,652 13 6
1,990 5 0	6,078 12 0	5,579 4 3	9,385 12 6	35 0 0	14 5 0	412 8 0	280 13 0	41,923 14 3	72,956 2 6
3,862 15 0	4,354 2 0	4,281 3 0	7,247 11 6	10 2 0	17 5 0	254 4 0	209 2 0	31,219 2 0	56,729 10 6
36,761 9 0	39,491 6 0	74,633 10 3	86,077 4 9	798 13 0	864 3 0	2,234 5 0	3,083 6 0	4,06,556 11 3	7,13,662 10 9
....	....	6,538 6 0	9,617 0 0	11 4 0	27 8 0	1,058 13 0	1,733 12 0	20,628 2 0	24,613 7 0
71 15 0	....	9,774 5 0	4,840 2 0	35 0 0	25 10 0	1,009 12 0	1,049 12 0	36,296 15 0	33,397 12 0
5 15 0	1 6 0	8,769 14 0	5,122 8 0	19 0 0	24 8 0	1,176 12 0	1,405 5 0	23,017 6 0	24,243 14 0
....	0 11 0	8,107 2 0	7,031 14 0	16 14 0	22 8 0	1,166 13 0	956 7 0	25,869 12 0	18,-97 5 0
7 10 0	0 13 0	6,925 2 0	5,210 3 0	32 8 0	....	1,222 12 0	714 12 0	30,509 11 0	19,948 7 0
....	....	8,453 7 6	6,983 3 0	12 8 0	10 0 0	1,728 5 0	1,459 13 0	29,326 14 6	17,661 7 0
1 1 0	....	6,528 2 0	4,138 12 0	....	15 10 0	286 13 0	831 4 0	23,494 15 0	13,634 1 0
3 11 0	20 8 0	2,628 5 0	6,246 8 0	....	....	494 3 0	923 11 0	16,350 12 0	17,952 12 0
1 4 0	87 8 0	8,017 13 0	4,292 2 0	....	....	1,682 13 0	1,375 4 0	30,244 4 0	16,763 0 0
110 12 0	369 11 0	5,495 0 0	6,711 0 6	6 8 0	13 2 0	3,173 7 0	1,034 10 0	24,645 8 0	23,739 9 6
57 6 0	147 1 0	8,011 9 0	5,918 1 0	1 14 0	20 10 0	2,600 7 0	721 12 0	26,544 4 0	29,268 11 0
348 13 0	4 7 0	6,272 11 0	5,209 9 0	....	....	2,324 13 0	932 2 0	24,505 6 0	21,239 13 0
608 7 0	632 1 0	85,521 12 6	71,320 14 6	129 8 0	159 8 0	17,925 11 0	13,138 8 0	3,11,433 13 6	2,61,960 2 6
17,89,022 8 8	12,82,756 0 1	2,81,971 5 2	2,90,479 12 6	1,85,351 11 5	2,26,649 15 10	70,248 5 1	72,056 1 10	34,49,545 8 0	31,48,249 3 8
13,42,185 1 0	11,32,926 1 0	27,283 8 0	20,879 13 0	32,526 13 0	31,222 5 0	....	....	18,57,376 1 0	17,95,040 11 0
4,46,837 7 8	1,49,829 15 1	2,54,687 13 2	2,69,599 15 6	1,53,324 14 5	1,95,427 10 10	70,248 5 1	72,056 1 10	15,92,169 7 0	13,53,208 8 8

P. R. CADELL,
Municipal Commissioner.

Appendix No. 4.

CONTRASTED STATEMENT showing the Original Budget Grants for 1911-12, Renewed Grants for 1910-11 and previous years, Additional Grants, Transfers, Modifications, as per the Revised Estimate for 1911-12, and the Grants as finally sanctioned.

PARTICULARS.	Original Grants sanctioned by the Corporation under Section 129 of the Municipal Act.	Additional Grants sanctioned by the Corporation under Section 131 (1).	Additional Grants sanctioned by the Corporation in respect of unexpended balances of Grants for 1909-10 and previous years required for expenditure in 1911-12 and of transfers sanctioned in 1910-11 but not utilized in that year and of Budget Grants for 1910-11, not wholly or partially utilized in that year.	Lapsed Grants for 1910-11 renewed by the Standing Committee under Section 132.	*Add*—Transfers as per Section 131 (1) *b* and *c* and (2)	*Deduct*—Transfers as per Section 133 (1) *a* and *c*.	Total.	*Less*—Anticipated Savings as per Revised Estimates of Expenditure for 1911-12.	Final Sanctioned Grants.
1	2	3	4	5	6	7	8	9	10
GENERAL SUPERINTENDENCE—	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Corporation and Standing Committee Establishment	72,316 0 0	....	....	955 12 3	300 0 0	560 0 0	73,011 12 3	212 0 0	72,799 12 3
Municipal Commissioner's personal Office Establishment	60,188 0 0	4,512 2 4	....	....	1,868 13 10	....	66,569 0 2	....	66,569 0 2
General Office Establishment ..	76,359 0 0	....	40,912 0 0	24,187 8 0	300 0 0	768 13 10	1,40,989 10 2	603 0 0	1,40,386 10 2
Accounts and Expenditure Audit Establishment	89,811 0 0	....	....	116 0 0	....	....	89,927 0 0	....	89,927 0 0
Total Rs.	2,98,674 0 0	4,512 2 4	40,912 0 0	25,259 4 3	2,468 13 10	1,328 13 10	3,70,497 6 7	815 0 0	3,69,682 6 7
ASSESSMENT & COLLECTION DEPT.—									
Property and Wheel Tax Estt. ..	2,1[illegible]902 0 0	....	....	836 4 0	200 0 0	200 0 0	2,19,038 4 0	2,902 0 0	2,16,136 4 0
Town Duty Collection	1,[illegible]00 0 0	5,500 0 0	....	22 9 0	....	1,600 0 0	1,04,922 9 0	....	1,04,922 9 0
Tolls Collection	[illegible]60 0 0	....	....	....	....	....	660 0 0	....	660 0 0
Licensing Establishment	22,020 0 0	0 12 0	....	....	....	....	22,020 12 0	....	22,020 12 0
Revenue and Refund Audit Office Establishment	42,008 0 0	....	....	90 0 10	1,600 0 0	....	43,698 0 10	....	43,698 0 10
Total Rs.	3,83,890 0 0	5,500 12 0	....	948 13 10	1,800 0 0	1,800 0 0	3,90,339 9 10	2,902 0 0	3,87,437 9 10
FIRE BRIGADE	2,34,931 1 11	750 0 0	30,330 0 0	4,083 0 0	4,650 9 0	4,650 9 0	2,70,094 1 11	3,160 0 0	2,66,934 1 11
	2,34,931 1 11	750 0 0	30,330 0 0	4,083 0 0	4,650 9 0	4,650 9 0	2,70,094 1 11	3,160 0 0	2,66,934 1 11
MAINTENANCE OF PUBLIC GARDENS.									
Victoria Gardens ..	72,082 0 0	185 0 0	6,413 0 2	3,741 9 4	.....	510 0 0	81,911 9 6	4,111 0 0	77,800 9 6
Elphinstone Circle do. ..	1,708 0 0	....	....	133 2 2	....	....	1,841 2 2	13 0 0	1,828 2 2
Falkland Road do. ..	432 0 0	....	....	43 1 3	....	....	475 1 3	50 0 0	425 1 3
Northbrook do. ..	1,604 0 0	....	....	49 4 2	....	....	1,653 4 2	104 0 0	1,549 4 2
Sir C. Jahangir Mahim do. ..	652 0 0	....	....	....	....	....	652 0 0	276 0 0	376 0 0
Bazaar Gate Street do. ..	676 0 0	....	....	....	....	....	676 0 0	232 0 0	444 0 0
Dick's Tank do. ..	382 0 0	....	....	....	....	....	382 0 0	100 0 0	282 0 0
Malabar Hill do. ..	1,166 0 0	....	....	....	....	....	1,166 0 0	....	1,166 0 0
Esplanade do. ..	5,894 0 0	....	....	1 0 0	240 0 0	....	6,135 0 0	100 0 0	6,035 0 0
Chowpatty Band Stand	....	1,150 0 0	....	....	270 0 0	....	1,420 0 0	....	1,420 0 0
New Works	12,606 0 0	....	3,950 10 2	....	....	....	16,556 10 2	....	16,556 10 2
Total Rs.	97,202 0 0	1,335 0 0	10,363 10 4	3,968 0 11	510 0 0	510 0 0	1,12,868 11 3	4,986 0 0	1,07,882 11 3
PUBLIC WORKS (ENGINEER'S DEPARTMENT.)—									
I—*General Supervision and Miscellaneous Duties*	77,650 0 0	....	33 10 10	185 4 7	875 0 0	1,177 0 0	77,566 15 5	6,500 0 0	71,066 15 5
II—*Mechanical Branch*—									
A. Workshops	....	....	....	....	....	....	....	....	....
B. Maintenance of P. station at Colaba ..	32,843 0 0	....	....	....	3,271 0 0	....	36,114 0 0	500 0 0	35,614 0 0
C. Do. of Love Grove P. Station ..	1,16,454 0 0	....	16 0 0	100 0 0	....	2,271 0 0	1,14,299 0 0	128 0 0	1,14,171 0 0
D. Do. of Air C. Station at Love Grove	86,750 0 0	....	13 0 0	275 0 0	....	1,000 0 0	86,038 0 0	1,922 0 0	84,116 0 0
E. Do. of Storm Water sluices ..	2,414 0 0	....	....	120 0 0	....	....	2,534 0 0	....	2,534 0 0
III—*Sanitary*—									
Disposal of Town Sweepings ..	1,24,919 0 0	400 0 0	....	26 8 4	....	....	1,25,345 8 4	300 0 0	1,25,045 8 4
IV—*Drainage*—									
A. Miscellaneous Drainage ..	2,51,248 0 0	2,078 8 0	4,488 0 0	4,901 9 6	8,243 0 0	3,700 0 0	2,67,259 1 6	....	2,67,259 1 6
B. Maintenance of Sluices ..	2,954 0 0	....	....	172 7 8	....	....	3,126 7 8	....	3,126 7 8
V—*Water Works*—									
A. Ordinary Branch	3,49,979 0 0	959 11 9	16,747 2 4	6,305 7 5	9,824 0 0	9,449 0 0	3,74,166 5 6	5,148 0 0	3,69,018 5 6
B. Special Branch	31,734 0 0	....	....	45 9 8	...	175 0 0	31,604 9 8	3,774 0 0	27,830 9 8
VI—*Streets and Buildings*—									
A. Inspection and Supervision ..	1,84,062 0 0	....	250 0 0	290 0 0	400 0 0	200 0 0	1,84,712 0 0	5,000 0 0	1,79,712 0 0
B Public Lighting	4,06,788 0 0	....	....	7,902 4 3	....	....	4,14,690 4 3	13,000 0 0	4,01 690 4 3
C. Road Watering..	95,000 0 0	5 0 0	479 0 0	6,224 8 11	....	....	1,01.708 8 11	2,000 0 0	99,708 8 11
C. Oiling and Tarring Roads ..	30,000 0 0	....	....	18,887 6 4	....	....	48,887 6 4	....	48,887 6 4
D. Roads and Footpaths, &c. ..	5,26,406 0 0	4,383 2 10	983 9 1	24,985 12 3	13,375 0 0	....	5,70.133 8 2	....	5,70,133 8 2
E Street Improvements... ..	1,13,465 0 0	8,925 0 0	.....	400 0 0	21,978 0 0	....	1,44,768 0 0	....	1,44,768 0 0
F. Miscellaneous	1,650 0 0	....	....	....	2,750 0 0	....	4,600 0 0	....	4,600 0 0
VII—*Cleaning, Lighting, &c., Port Trust Wharves & Roads* ..	40,183 0 0	....	....	....	....	....	40,183 0 0	....	40,183 0 0
Total Rs. ..	24,74,699 0 0	16,751 6 7	23,010 6 3	70,731 14 11	60,516 0 0	17,972 0 0	26.27,736 11 9	38,272 0 0	25,89,464 11 9
Carried forward Rs. ..	34,89 396 1 11	28,849 4 11	1,04 616 0 7	1,04,991 1 11	69,944 13 10	26,761 6 10	37,71,536 9 4	50,135 0 0	37,21,401 9 4

Appendix No. 4—*continued.*

PARTICULARS.	Original Grants sanctioned by the Corporation under Section 129 of the Municipal Act.	Additional Grants sanctioned by the Corporation under Section 131 (1).	Additional Grants sanctioned by the Corporation in respect of unexpended balances of Grants for 1909-10 and previous years required for expenditure in 1911-12 and of transfers sanctioned in 1910-11 but not utilized in that year, and of Budget Grants for 1910-11 not wholly or partially utilized in that year.	Lapsed Grants for 1910-11 renewed by the Standing Committee under Section 132.	Add Transfers as per Section 131 (1) *b* & *c* and (2).	Deduct Transfers as per Section 133 (1) *a* & *c*.	Total.	*Less*—Anticipated Savings as per Revised Estimates of Expenditure for 1911-12.	Final Sanctioned Grants.
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ..	34,89,396 1 11	28,849 4 11	1,04,616 0 7	1,04,991 1 11	69,944 13 10	26,261 6 10	37,71,536 9 4	50,135 0 0	37,21,401 9 4
PUBLIC HEALTH DEPARTMENT—									
General Supervision	1,32,301 0 0	60 0 0	1,165 13 11	35 0 0	6,640 0 0	600 0 0	1,39,601 13 11	....	1,39,601 13 11
Conservancy Branch	17,42,113 8 0	8,477 10 2	65,612 14 1	19,593 7 6	925 0 0	12,286 1 7	18,24,436 6 2	48,220 0 0	17,76,216 6 2
Markets and Slaughter Houses ..	1,87,244 8 0	170 4 9	16,472 10 9	3,979 4 7	4,132 10 0	2,709 10 0	2,09,289 12 1	7,980 0 0	2,01,309 12 1
Registration of Births and Deaths.	80,506 8 0	50 8 2	....	246 1 9	785 0 0	....	81,588 1 11	....	81,588 1 11
Cemeteries	22,215 0 0	....	1,742 0 0	252 3 5	....	....	24,209 3 5	2,890 0 0	21,319 3 5
Laboratory	15,198 0 0	....	....	1,165 8 0	....	....	16,363 8 0	....	16,363 8 0
Mahaluxmi Dhobiwada	16,603 0 0	....	....	947 8 8	21 8 0	....	17,572 0 8	....	17,572 0 8
Infectious Diseases	52,688 8 0	2,007 0 11	....	1,517 4 10	200 0 0	....	56,412 13 9	380 0 0	56,032 13 9
Milch-Cattle Stables and Rooms ..	7,465 0 0	....	....	446 1 8	139 0 0	21 8 0	8,028 9 8	100 0 0	7,928 9 8
Tank Conservancy	....	....	....	....	....	....	....	....	....
Rustomji Jamsetji Dharamsala at Falkland Road	529 0 0	....	....	368 13 3	....	....	897 13 3	....	897 13 3
Vaccination	29,873 0 0	59 3 9	....	1,038 7 2	900 0 0	900 0 0	30,970 10 11	....	30,970 10 11
Malaria	10,000 0 0	....	....	....	....	....	10,000 0 0	....	10,000 0 0
Total Rs.	22,96,737 0 0	10,824 11 9	84,993 6 9	29,589 12 10	13,743 2 0	16,517 8 7	24,19,370 13 9	59,570 0 0	23,59,800 13 9
NEW WORKS	1,80,789 0 0	2,19,473 0 0	89,970 14 6	31,759 3 5	8,906 0 0	5,943 0 0	5,24,955 1 11	13,943 0 0	5,11,012 1 11
Total Rs.	1,80,789 0 0	2,19,473 0 0	89,970 14 6	31,759 3 5	8,906 0 0	5,943 0 0	5,24,955 1 11	13,943 0 0	5,11,012 1 11
GENERAL STORES ESTABLISHMENT	35,726 0 0	....	1,000 0 0	1,205 2 9	380 0 0	380 0 0	37,931 2 9	....	37,931 2 9
Total Rs.	35,726 0 0	....	1,000 0 0	1,205 2 9	380 0 0	380 0 0	37,931 2 9	....	37,931 2 9
CENSUS	....	....	....	5,172 4 2	....	....	5,172 4 2	....	5,172 4 2
Total Rs.	....	....	....	5,172 4 2	....	....	5,172 4 2	....	5,172 4 2
EDUCATION—									
Primary Education	3,37,257 0 0	....	....	....	....	....	3,37,257 0 0	....	3,37,257 0 0
School for Deaf and Dumb Mutes..	3,000 0 0	....	....	....	....	....	3,000 0 0	....	3,000 0 0
Veterinary College	2,500 0 0	....	....	....	....	....	2,500 0 0	....	2,500 0 0
Victoria and Albert Museum ..	16,129 0 0	24 0 0	2,417 6 10	292 15 5	300 0 0	300 0 0	18,863 6 3	....	18,863 6 3
Victoria Jubilee Technical Institute	20,000 0 0	....	....	....	....	....	20,000 0 0	....	20,000 0 0
Joint Schools Committee Establishment	12,019 0 0	50 0 0	68 1 6	....	1,017 1 7	....	13,154 3 1	....	13,154 3 1
Victoria Memorial School for Blind.	2,500 0 0	....	....	....	....	....	2,500 0 0	....	2,500 0 0
Prince of Wales Museum	25,000 0 0	....	....	....	....	....	25,000 0 0	....	25,000 0 0
Total Rs. ..	4,18,405 0 0	74 0 0	2,485 8 4	292 15 5	1,317 1 7	300 0 0	4,22,274 9 4	....	4,22,274 9 4
HOSPITALS—									
Acworth Leper Asylum at Matunga	36,000 0 0	7,250 0 0	....	....	....	....	43,250 0 0	....	43,250 0 0
Medical Institutions	4,14,500 0 0	....	....	....	....	....	4,14,500 0 0	....	4,14,500 0 0
Dispensaries	12,000 0 0	....	....	264 9 9	....	....	12,264 9 9	....	12,264 9 9
Adams Wylie Hospital	3,000 0 0	....	....	....	....	....	3,000 0 0	....	3,000 0 0
Bombay Sanitary Association ..	1,500 0 0	....	....	....	....	....	1,500 0 0	....	1,500 0 0
Total Rs. ..	4,67,000 0 0	7,250 0 0	....	264 9 9	....	....	4,74,514 9 9	....	4,74,514 9 9
MISCELLANEOUS—									
Pensions, Gratuities and Compassionate Allowances	70,000 0 0	17,536 0 0	....	4,727 15 0	....	....	92,263 15 0	....	92,263 15 0
Discretional Contingencies	7,000 0 0	....	720 0 0	2,700 0 0	....	....	10,420 0 0	....	10,420 0 0
Auditor's Allowances	10,000 0 0	....	....	....	....	....	10,000 0 0	....	10,000 0 0
Grain Compensation	....	....	....	....	....	....	....	....	....
Local Allowance	60,000 0 0	2 6 10	....	100 0 0	....	....	60,102 6 10	....	60,102 6 10
House Rent Allowance to Municipal Peons	....	3,837 0 0	....	....	....	....	3,837 0 0	....	3,837 0 0
Loss on account of Private Works irrecoverable bills written off ..	....	95 5 2	....	....	....	....	95 5 2	....	95 5 2
Miscellaneous Carried over ..	1,47,000 0 0	21,470 12 0	720 0 0	7,527 15 0	....	....	1,76,718 11 0	....	1,76,718 11 0
Carried over ..	68,88,053	26,647 0 8	2,83,065 14 2	1,73,275 2 3	94,291 1 5	49,40110 5	76,55,755 3 0	1,23,648 0 0	75,32,107 3 0

Appendix No. 4—*concluded.*

PARTICULARS.	Original Grants sanctioned by the Corporation under Section 129 of the Municipal Act.	Additional Grants sanctioned by the Corporation under Section 131 (1).	Additional Grants sanctioned by the Corporation in respect of unexpended balances of Grants for 1909-10 and previous years required for expenditure in 1911-12 and of transfers sanctioned in 1910-11 but not utilized in that year, and of Budget Grants for 1910-11 not wholly or partially utilized in that year.	Lapsed Grants for 1910-11 renewed by the Standing Committee under Section 132.	*Add*—Transfers as per Section 131 (1) *b* & *c* & (2).	*Deduct*—Transfers as per Section 133 (1) *a* & *c*.	Total.	*Less*—Anticipated savings as per Revised Estimates of Expenditure for 1911-12.	Final Sanctioned Grants.
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ..	68,88,053 1 11	2,66,471 0 8	2,83,065 14 2	1,73,275 2 3	94, 91 1 5	19,401 10 5	76,55,755 3 0	1,23,648 0 0	75,32,107 3 0
MISCELLANEOUS—*contd.*									
Brought forward ..	1,47,000 0 0	21,470 12 0	720 0 0	7,527 15 0	....	....	1,76,718 11 0	....	1,76,718 11 0
Writing off the difference between the Price paid by the Municipality for the property at the junction of the Mody Street and Agiary Lane, Fort, and the amount realised by its sale ..	....	411 14 9	....	....	....	....	411 14 9	....	411 14 9
Cost of preparing an address of welcome to their Imperial Majesties	....	18,000 0 0	....	....	260 0 0	....	18,260 0 0	....	18,260 0 0
Cost of providing permanent flag staffs on Municipal Office Buildings, etc.	....	1,685 4 0	....	....	....	....	1,685 4 0	....	1,685 4 0
Rebate due to the City Improvement Trust under Section 73 (3) of Act IV of 1898	1,00,000 0 0	....	....	....	....	45,150 0 0	54,850 0 0	54,850 0 0	....
Total Rs. ..	2,47,000 0 0	41,567 14 9	720 0 0	7,527 15 0	260 0 0	45,150 0 0	2,51,925 13 9	54,850 0 0	1,97,075 13 9
CONTRIBUTION TO THE CITY IMPROVEMENT TRUST UNDER SECTION 72 (1) OF ACT IV OF 1898 .	8,65,000 0 0	....	....	....	....	....	8,65,000 0 0	....	8,65,000 0 0
Total Rs. ..	8,65,000 0 0	....	....	....	....	....	8,65,000 0 0	....	8,65,000 0 0
PLAGUE EXPENSES	2,00,00 0 0	569 8 5	....	36,863 13 4	....	....	2,37,433 5 9	38,000 0 0	1,99,433 5 9
Total Rs. ..	2,09,000 0 0	569 8 5	....	36,863 13 4	....	....	2,37,433 5 9	38,000 0 0	1,99,433 5 9
MUNICIPAL DEBT—									
Interest on loans	25,31,601 3 1	....	53.677 1 1	89,548 1 3	....	60 0 0	26,74,766 5 5	....	26,74,766 5 5
Charges on account of loans ..	11,704 11 9	....	....	....	60 0 0	....	11,764 11 9	....	11,764 11 9
Payment towards the reduction of debt	1,28,599 12 11	....	11,500 0 0	5,000 0 0	....	....	1,44,899 12 11	....	1,44,899 12 11
Payment towards the Investment of Sinking Fund	6,18,460 2 4	....	.....	....	....	....	6,18,460 2 4	....	6,18,460 2 4
Payment towards the Investment of Interest accrued on Sinking Fund	4,27,000 0 0	14,267 9 4	....	....	....	....	4,41,267 9 4	....	4,41,267 9 4
Discount charges on account of Loans	40,000 0 0	....	....	....	....	....	40,000 0 0	40 000 0 0	....
Total Rs. ..	37,57,165 14 1	14,267 9 4	65,177 1 1	94,548 1 3	60 0 0	60 0 0	39,31,158 9 9	40,000 0 0	38,91,158 9 9
INVESTMENTS—									
Municipal buildings Fire Insurance Fund	10,000 0 0	....	....	....	....	....	10,000 0 0	....	10,000 0 0
Interest realized on Fire Insurance Fund	5,600 0 0	....	....	....	....	....	5,600 0 0	....	5,600 0 0
Interest realized on worn-out water mains renewal fund	25,200 0 0	....	....	....	....	....	25,200 0 0	....	25,200 0 0
Interest realized on Net Premia Fund	12,200 0 0	5,780 15 8	....	....	....	....	17,980 15 8	....	17,980 15 8
Total Rs. ..	53,000 0 0	5,780 15 8	....	....	....	....	58,780 15 8	....	58,780 15 8
Rs. ..	1,20,10,219 0 0	5,28,657 0 10	3,48,962 15 3	3,12,214 15 10	94,611 10 5	94,611 10 5	1,30,00,053 16 11	2,56,498 0 0	1,27,43,555 15 11
Premia received on the 1st instalment of Rs. 30 lakhs of the 55 lakhs loan	....	30,000 0 0	....	....	....	....	30,000 0 0	....	30,000 0 0
Rs. ..	1,20,10,219 0 0	3,58,657 0 10	3,48,962 15 3	3,12,214 15 10	94,611 10 5	94,611 10 5	1,30,30,053 16 11	2,56,498 0 0	1,27,73,555 15 11
Adjustment (part) of the advance of Rs. 9,1[illegible]05-7-4 outstanding under "Plague Expenditure Suspense Adjustment Account" ..	....	5,00,000 0 0	....	....	....	....	5,00,000 0 0	....	5,00,000 0 0
GRAND TOTAL ..	1,20,10,219 0 0	8,58,657 0 10	3,48,962 15 3	3,12,214 15 10	94,611 10 5	94,611 10 5	1,35,30,053 16 11	2,56,498 0 0	1,32,73,555 15 11

W. E. WAITE,
Chief Accountant.

P. R. CADELL,
Municipal Commissioner.

Appendix No. 5.

EXPENDITURE.

STATEMENT showing the Actuals as compared with the Final Sanctioned Grants for 1911-12 as per Appendix No. 4 and the Actuals of the preceding year.

PARTICULARS.	Actuals for 1910-11.	Final Sanctioned Grants for Expenditure during 1911-12 as per Appendix No. 4.	Actuals for 1911-12.	As compared with the Final Sanctioned Grants as per column No. 3.		Amount proposed to be renewed in 1912-13 out of savings as per column No. 6.	Net Savings.	As compared with the Actuals for 1910-11 as per column No. 2.	
				More.	Less.			More.	Less.
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p	Rs. a. p.	Rs. a. p.	Rs. a. p.
GENERAL SUPERINTENDENCE—									
Corporation and Standing Committee's Establishment	72,960 0 7	72,799 12 3	69,650 10 0	....	3,149 2 3	1,246 13 4	1,902 4 11	....	3,309 6 7
Municipal Commissioner's Personal Office Establishment	71,884 9 8	66,569 0 2	59,815 2 0	....	6,753 14 2	....	6,753 14 2	....	12,069 7 8
General Office Establishment ..	57,472 9 4	1,40,386 10 2	78,742 6 7	....	61,644 3 7	43,322 9 8	18,321 9 11	21,269 13 3	....
Accounts and Expenditure Audit Establishment	86,770 3 9	89,927 0 0	85,392 5 7	....	4,534 10 5	37 8 0	4,497 2 5	....	1,377 14 2
	2,89,087 7 4	3,69,682 6 7	2,93,600 8 2	....	76,081 14 5	44,606 15 0	31,474 15 5	21,269 13 3	16,756 12 5
ASSESSMENT AND COLLECTION DEPARTMENT.									
Property and Wheel Tax Establishment	2,13,719 2 5	2,16,136 4 0	2,12,223 11 4	....	3,912 8 8	70 11 8	3,841 13 0	....	1,495 7 1
Town Duty Collection	1,07,029 0 10	1,04,922 9 0	97,998 3 3	....	6,924 5 9	1,229 3 4	5,695 2 5	....	9,030 13 7
Tolls Collection	650 9 7	660 0 0	636 2 7	....	23 13 5	.....	23 13 5	85 9 0	.. .
Licensing Establishment	22,118 5 7	22,020 12 0	21 012 4 7	....	1,008 7 5	55 6 1	953 1 4	....	1,106 1 0
Revenue and Refund Audit Establishment	42,129 1 4	43,698 0 10	43,333 7 6	....	364 9 4	....	364 9 4	1,204 6 2	....
	3,86,546 3 9	3,87,437 9 10	3,75,203 13 3	....	12,233 12 7	1,355 5 1	10,878 7 6	1,289 15 2	11,632 5 8
FIRE BRIGADE—									
Fire Brigade	1,75,989 10 3	2,66,934 1 11	1,74,706 3 9	....	92,227 14 2	84,210 13 5	8,017 0 9	....	1,283 6 6
	1,75,989 10 3	2,66,934 1 11	1,74,706 3 9	....	92,227 14 2	84,210 13 5	8,017 0 9	....	1,283 6 6
MAINTENANCE OF PUBLIC GARDENS—									
Victoria Gardens Maintenance ..	78,273 9 4	77,800 9 6	59,300 13 11	....	18,499 11 7	16,165 10 0	2,334 1 7	.....	18,972 11 5
Do. New Works ..	2,111 0 1	16,556 10 2	7,248 14 9	....	9,307 11 5	8,654 0 7	653 10 10	5,137 14 8	....
Elphinstone Circle Garden	1,204 7 9	1,828 2 2	991 11 7	....	836 6 7	569 0 0	267 6 7	....	212 12 2
Falkland Road Garden	178 8 2	425 1 3	180 1 3	....	245 0 0	133 0 0	112 0 0	1 9 1	....
Northbrook Garden	1,090 15 3	1,549 4 2	930 14 5	....	618 5 9	561 11 1	56 10 8	....	160 0 10
Sir C. Jehangir Mahim Garden ..	222 2 9	376 0 0	143 2 7	....	232 13 5	164 0 0	68 13 5	....	79 0 2
Bazaar Gate Street Garden.. ..	394 4 4	441 0 0	280 11 1	....	163 4 11	113 0 0	50 4 11	....	113 9 3
Dick's Tank Garden	211 4 8	282 0 0	150 0 4	...	131 15 8	100 0 0	31 15 8	....	61 4 4
Malabar Hill Garden..	766 0 0	1,166 0 0	724 6 2	....	441 9 10	205 0 0	236 9 10	....	41 9 10
Esplanade Garden	6,757 11 1	6,035 0 0	5,040 14 0	....	994 2 0	15 0 0	979 2 0	....	1,716 13 1
Chowpati Bandstand	....	1,420 0 0	1,099 7 6	....	320 8 6	....	320 8 6	1,099 7 6	.. ..
	91,209 15 5	1,07,882 11 3	76,091 1 7	....	31,791 9 8	26,680 5 8	5,111 4 0	6,238 15 3	21,357 13 1
PUBLIC WORKS (ENGINEER'S DEPARTMENT)—									
I. GENERAL SUPERVISION AND MISCELLANEOUS DUTIES ..	70,948 8 1	71,066 15 5	68,231 9 8	....	2,835 5 9	42 12 4	2,792 9 5	....	2,716 14 5
II. MECHANICAL BRANCH—									
Maintenance of Compressor Station, Colaba (Shone System)	32,653 7 7	35,614 0 0	33,496 6 2	....	2,117 9 10	220 0 0	1,897 9 10	842 14 7	....
Maintenance of Love Grove Pumping Station .. .	1,16,187 3 7	1,14,171 0 0	1,09,850 4 0	....	4,320 12 0	495 0 0	3,825 12 0	....	8,336 15 7
Maintenance of Air Compressor Station at Love Grove (Shone System)	83,038 12 1	84,116 0 0	74,951 6 11	....	9,164 9 1	7,300 0 0	1,864 9 1	....	8,087 5 2
Maintenance of Storm Water Sluices	1,959 12 9	2,524 0 0	2,071 10 2	....	462 5 10	180 0 0	282 5 10	111 13 5	....
III. SANITARY-DISPOSAL OF TOWN SWEEPINGS	1,25,949 7 2	1,25,045 8 4	1,11,163 11 0	....	13,881 13 4	6,886 5 2	6,995 8 2	....	14,785 12 2
IV. DRAINAGE—									
A. Miscellaneous Drainage ..	2,26,511 0 2	2,67,259 1 6	2,37,443 15 3	....	29,815 2 3	10,515 8 1	19,299 10 2	10,932 15 1	....
B. Maintenance of Sluices ..	2,431 9 3	5,126 7 8	2,793 10 1	....	332 13 7	....	332 13 7	362 0 10	....
V. WATER WORKS, Ordinary ..	2,86,285 6 4	3,69,013 5 6	2,75,347 10 2	....	93,670 11 4	63,742 5 10	29,928 5 6	....	10,937 12 2
Do. Special ..	24,162 14 1	27,830 9 8	24,672 13 6	....	3,157 12 2	823 13 3	2,333 14 11	509 15 5	....
VI. STREETS AND BUILDINGS—									
A. Inspection and Supervision..	1,72,376 4 8	1,79,712 0 0	1,76,048 13 8	....	3,663 2 4	114 1 6	3,549 0 10	3,672 9 0	....
B. Public Lighting	3,80,030 3 8	4,01,690 4 3	3,86,905 13 5	....	14,784 6 10	12,458 7 1	2.325 15 9	6,875 9 9	....
C. Road Watering	78,724 13 4	99,708 8 11	74,602 8 2	....	25,106 0 9	13,745 0 1	11,361 0 8	....	4,122 5 2
C1. Oiling and Tarring Roads and treating Roads with Westrumite(Experimental)..	12,672 9 8	48,887 6 4	37,100 11 5	....	11,786 10 11	11,786 10 11	....	24,428 1 9	....
D. Roads, Footpaths, &c. ..	4,94,038 13 1	5,70,133 8 2	4,95,619 6 1	....	74,514 2 1	27,422 3 7	47,091 14 6	1,580 9 0	....
E. Street Improvements ..	1,09,450 5 8	1,44,768 0 0	1,19,242 13 9	....	25,525 2 3	25,525 2 3	.....	9,792 8 1	....
F. Miscellaneous (compensation to house owners for Insanitary Buildings demolished)..	215 13 8	4,600 0 0	66 14 0	....	4,533 2 0	3,000 0 0	1,533 2 0	....	148 15 8
VII. CLEANING, LIGHTING AND REPAIRING PORT TRUST WHARVES, ROADS, &c. ..	40,183 0 0	40,183 0 0	40,183 0 0	....	....	....	....	....	....
	22,59,820 0 10	25,39,464 11 9	22,8 ,793 1 5	....	3,19,671 10 4	1,84,257 6 1	1,35,414 4 3	59,109 0 11	49,136 0 4
Carried over Rs. ..	32,01,653 5 7	37,21,401 9 4	31,89,394 12 2	....	5,32,006 13 2	3,41,110 13 3	1,90,895 15 11	87,907 12 7	1,00,166 6 0

Appendix No. 5—*continued.*

PARTICULARS.	Actuals for 1910-11.	Final Sanctioned Grants for Expenditure during 1911-12 as per Appendix No. 4.	Actuals for 1911-12.	As compared with the Final Sanctioned Grants as per column No. 3.		Amount proposed to be renewed in 1912-13 out of savings as per column No. 6.	Net Savings.	As compared with the Actuals for 1910-11 as per column No. 2.	
				More.	Less.			More.	Less.
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ..Rs.	32,01,653 5 7	37,21,401 9 4	31,89,394 12 2	....	5,32,006 13 2	3,41,110 13 3	1,90,895 15 11	87,907 12 7	1,00,166 6 0
NEW WORKS	1,69,109 3 10	5,11,012 1 11	2,23,178 7 4	....	2,87,833 10 7	2,46,426 5 6	41,407 5 1	54,069 3 6	....
	1,69,109 3 10	5,11,012 1 11	2,23,178 7 4	....	2,87,833 10 7	2,46,426 5 6	41,407 5 1	54,069 3 6	....
PUBLIC HEALTH DEPARTMENT—									
General Supervision	1,38,492 8 10	1,39,601 13 11	1,36,654 5 7	....	2,947 8 4	837 10 6	2,109 13 10	3,161 12 9	....
Conservancy Branch	15,76,004 10 6	17,76,216 6 2	16,21,319 15 4	....	1,54,896 6 10	90,540 9 2	64,355 13 8	45,315 4 10	....
Markets and Slaughter Houses ..	1,71,926 2 10	2,01,809 12 1	1,70,803 11 10	....	30,506 0 3	16,632 5 5	13,873 10 10	....	1,122 7 0
Registration of Births and Deaths	74,889 12 7	81,588 1 11	79,963 15 9	....	1,624 2 2	100 0 0	1,524 2 2	5,074 3 2	....
Cemeteries	9,390 4 8	21,319 3 5	14,419 2 2	....	6,900 1 3	284 4 4	6,615 12 11	5,028 13 6	....
Mahalaxmi Dhobiwada	17,378 7 10	17,572 0 8	16,122 0 1	....	1,450 0 7	530 14 4	919 2 3	....	1,256 7 9
Milch Cattle Stables and Rooms ..	6,444 10 1	7,928 9 8	5,832 3 7	....	2,096 6 1	736 6 5	1,359 15 8	....	612 6 6
Tank Conservancy	5,884 4 5	....	....	....	....	....	....	....	5,884 4 5
Rustomjee Jamshedjee Dharamshalla	369 5 2	897 13 3	515 14 6	....	381 14 9	320 10 11	61 3 10	146 9 4	....
Laboratory	11,357 2 0	16,363 8 0	11,392 12 0	....	4,970 12 0	3,007 7 0	1,963 5 0	35 10 0	....
Infectious Diseases	49,293 11 8	56,032 13 9	49,833 1 8	....	6,199 12 1	1,781 13 4	4,417 14 9	539 6 0	....
Vaccination	24,134 8 2	30,970 10 11	27,207 8 4	....	3,763 2 7	359 0 0	3,404 2 7	3,073 0 2	....
Expenditure in connection with the investigation of the committee appointed by Government to enquire into the prevalence and causation of Malaria and other fevers in Bombay	8,144 1 0	10,000 0 0	9,101 4 2	....	898 11 10	....	898 11 10	957 3 2	....
	20,88,709 9 9	23,59,800 13 9	21,43,165 15 0	....	2,16,634 14 9	1,15,131 1 5	1,01,503 13 4	63,331 14 11	8,875 9 8
GENERAL STORES ESTABLISHMENT—									
General Stores Establishment ..	31,062 7 7	37,931 2 9	33,054 2 10	....	4,876 15 11	3,743 4 9	1,133 11 2	1,991 11 3	....
	31,062 7 7	37,931 2 9	33,054 2 10	....	4,876 15 11	3,743 4 9	1,133 11 2	1,991 11 3	....
CENSUS	14,827 11 10	5,172 4 2	Cr. 2,540 3 8	....	7,712 7 10	4,000 0 0	3,712 7 10	....	17,367 15 6
EDUCATION—									
Primary Education	3,37,257 0 0	3,37,257 0 0	3,37,257 0 0	....	....	....	....	....	....
School for Deaf and Dumb Mutes..	3,000 0 0	3,000 0 0	3,000 0 0	....	....	....	....	....	....
Veterinary College	2,500 0 0	2,500 0 0	2,500 0 0	....	....	....	....	....	....
Victoria and Albert Museum ..	14,842 4 2	18,363 6 3	17,297 3 7	....	1,566 2 8	1,180 4 3	385 14 5	2,454 15 5	....
Victoria Jubilee Technical Institute	20,000 0 0	20,000 0 0	20,000 0 0	....	....	....	....	....	....
Prince of Wales Museum	25,000 0 0	25,000 0 0	25,000 0 0	....	....	....	....	....	....
Joint School Committee's Establishment	12,025 1 3	13,154 3 1	12,757 0 0	....	397 3 1	348 10 2	48 8 11	731 14 9	....
Victoria Memorial School	2,500 0 0	2,500 0 0	2,500 0 0	....	....	....	....	....	....
	4,17,124 5 5	4,22,274 9 4	4,20,311 3 7	....	1,963 5 9	1,528 14 5	434 7 4	3,186 14 2	....
HOSPITALS—									
Lepers' Asylum at Matunga ..	36,000 0 0	43,250 0 0	42,350 0 0	....	900 0 0	....	900 0 0	6,350 0 0	....
Medical Institutions	4,14,500 0 0	4,14,500 0 0	4,14,500 0 0	....	....	....	....	....	....
Dispensaries	12,416 5 8	12,264 9 9	11,507 9 1	....	757 0 8	82 8 0	674 8 8	....	908 12 7
Adams-Wylie Hospital	1,500 0 0	3,000 0 0	3,000 0 0	....	....	....	....	1,500 0 0	....
Bombay Sanitary Association —	....	1,500 0 0	1,500 0 0		....	....	....	1,500 0 0	....
	4,64,416 5 8	4,74,514 9 9	4,72,857 9 1	....	1,657 0 8	82 8 0	1,574 8 8	9,350 0 0	908 12 7
Carried over Rs. ..	63,86,903 1 8	75,32,107 3 0	64,79,421 14 4	....	10,52,685 4 8	7,12,022 15 4	3,40,662 5 4	2,19,837 8 5	1,27,818 11 9

Appendix No. 5—*concluded.*

PARTICULARS.	Actuals for 1910-11.	Final Sanctioned Grants for expenditure during 1911-12 as per Appendix No. 4.	Actuals for 1911-12.	As compared with the Final Sanctioned Grants as per column No. 3.		Amount proposed to be renewed in 1912-13 out of savings as per column No. 6.	Net Savings.	As compared with the Actuals for 1910-11 as per column No. 2.	
				More.	Less.			More.	Less.
1	2	3	4	5	6	7	8	9	10
Brought forward Rs. ..	Rs. a. p. 63,86,903 1 8	Rs. a. p. 75,32,107 3 0	Rs. a. p. 64,79,421 14 4	Rs. a. p.	Rs. a. p. 10,52,685 4 8	Rs. a. p. 7,12,022 15 4	Rs. a. p. 3,40,662 5 4	Rs. a. p. 2,19,837 8 5	Rs. a. p. 1,27,318 11 9
MISCELLANEOUS:—									
Cost of caskets and the addresses presented to the retiring Viceroy and the Viceroy Designate ..	2,711 0 9	....	....	....	....	....	....	....	2,711 0 9
Pensions, Gratuities and Compassionate Allowances	84,293 13 1	92,283 15 0	86,701 0 0	....	5,562 15 0	5,562 15 0	....	2,407 2 11	....
Discretional Contingencies ..	4,334 2 4	10,420 0 0	7,262 6 3	....	3,157 9 9	1,220 4 3	1,937 5 6	2,928 3 11	....
Auditors' Allowance	10,000 0 0	10,000 0 0	10,000 0 0	....	....	....	....	....	....
The cost of preparing the address of condolence to H. M. the King Emperor on the lamented death of H. M. King Edward VII, Emperor of India and other expenses in connection with the mournful event	820 2 0	....	....	....	....	....	....	....	820 2 0
Rebate to the Bombay Improvement Trust under Section 73 (3) of the Act IV of 1898	53,300 0 0	....	....	....	....	....	....	....	53,300 0 0
Loss on account of Private Works irrecoverable bills written off ..	4,075 9 2	95 5 2	95 5 2	....	....	....	....	....	3,980 4 0
House rent	....	3,837 0 0	3,563 11 3	....	273 4 9	73 4 9	200 0 0	3,563 11 3	....
Cost of preparing the address of Welcome to their Imperial Majesties	....	18,260 0 0	18,256 10 0	....	3 6 0	....	3 6 0	18,256 10 0	....
Cost of providing permanent flag staffs on Municipal Office Buildings, &c.	....	1,685 4 0	1,237 9 2	....	447 10 10	447 10 10	....	1,237 9 2	....
Grain Compensation	Cr. 0 14 5	....	....	....	....	....	....	0 14 5	....
Local Allowance	56,158 8 11	60,102 6 10	54,446 1 3	....	5,656 5 7	150 0 0	5,506 5 7	.....	1,712 7 8
Writing off the difference between the price paid by the Municipality for the property at the junction of Mody Street and Agiary Lane Fort and the amount realized by its sale ..	....	411 14 9	411 14 9	....	....	....	....	411 14 9	....
	2,15,692 5 10	1,97,075 13 9	1,81,974 9 10	....	15,101 3 11	7,454 2 10	7,647 1 1	28,806 2 5	62,523 14 5
CONTRIBUTION TO THE CITY IMPROVEMENT TRUST	8,35,000 0 0	8,65,000 0 0	8,65,000 0 0	....	....	....	....	30,000 0 0	....
PLAGUE EXPENSES	1,87,234 5 11	1,99,433 5 9	1,55,903 0 0	....	43,530 5 9	7,000 0 0	36,530 5 9	....	31,331 5 11
MUNICIPAL DEBT—									
Interest on Loans	24,55,995 15 10	26,74,766 5 5	25,16,054 1 11	....	1,58,712 3 6	1,52,318 3 0	6,394 0 6	60,058 2 1	....
Charges on Loans	11,155 4 2	11,764 11 9	11,556 0 7	....	208 11 2	....	208 11 2	400 12 5	....
Payment towards the reduction of Debt	1,20,058 4 8	1,44,899 12 11	1,27,399 12 11	....	17,500 0 0	17,500 0 0	....	7,341 8 3	....
Payment towards the investment of interest accrued on Sinking Fund	4,03,587 1 4	4,41,267 9 4	4,41,267 9 4	....	....	....	....	37,680 8 0	....
Payment towards the investment of Sinking Fund	6,16,771 14 1	6,18,460 2 4	6,18,351 2 4	....	109 0 0	....	109 0 0	1,579 4 3	....
	36,07,568 8 1	38,91,158 9 9	37,14,628 11 1	....	1,76,529 14 8	1,69,818 3 0	6,711 11 8	1,07,060 3 0	....
INVESTMENTS—									
Municipal Buildings Fire Insurance Fund	5,000 0 0	10,000 0 0	10,000 0 0	....	....	....	....	5,000 0 0	....
Interest realized on Fire Insurance Fund	5,225 8 4	5,600 0 0	5,539 10 8	....	60 5 4	....	60 5 4	314 2 4	....
Interest realized on the Net Premia, &c., Fund	14,531 11 6	17,980 15 8	17,980 15 8	....	....	....	....	3,449 4 2	....
Interest realized on Worn-out Water Mains Renewal Fund ..	24,716 2 4	25,200 0 0	24,112 13 4	....	1,087 2 8	....	1,087 2 8	....	603 5 0
	49,473 6 2	58,780 15 8	57,633 7 8	....	1,147 8 0	....	1,147 8 0	8,763 6 6	603 5 0
	1,12,81,871 11 8	1,27,43,555 15 11	1,14,54,561 10 11	....	12,88,994 5 0	8,96,295 5 2	3,92,698 15 10	3,94,467 4 4	2,21,777 5 1
Investment of the Premium received on the 1st Instalment of Rs. 30 Lakhs of the 55 Lakhs Loan for Miscellaneous Works ..	....	30,000 0 0	30,000 0 0	....	....	....	....	30,000 0 0	....
	1,12,81,871 11 8	1,27,73,555 15 11	1,14,84,561 10 11	....	12,88,994 5 0	8,96,295 5 2	3,92,698 15 10	4,24,467 4 4	2,21,777 5 1
Adjustment (part) of the advance of Rs. 9,10,052-7-4 outstanding under "Plague Expenditure Suspense Adjustment Account" ..	....	5,00,000 0 0	5,00,000 0 0	....	....	....	....	5,00,000 0 0	....
GRAND TOTAL RS. ..	1,12,81,871 11 8	1,32,73,555 15 11	1,19,84,561 10 11	....	12,88,994 5 0	8,96,295 5 2	3,92,698 15 10 *Less* ..	9,24,467 4 4 2,21,777 5 1	2,21,777 5 1
								7,02,689 15 3	

W. E. WAITE,
Chief Accountant.

P. R. CADELL,
Municipal Commissioner.

Appendix

SURPLUS

DR. STATEMENT showing the state of the Surplus Cash

To	Rs. a. p.	Rs. a. p.
Sums Payable—		
Deposits, &c., in cash	4,59,754 9 7	
Do. on account of Contractors' Government Paper kept in office ...	40,300 0 0	
Paper Deposits from Municipal employés and Contractors pending submission to the Bank of Bombay (kept in office)	5,400 0 0	
Government of Bombay on account of Income Tax	565 14 8	
Cheques payable	81,656 9 8	
Loan Works Establishment	17,869 15 8	
Contribution from Government towards the cost of Primary School Buildings	2,00,000 0 0	
		8,05,547 1 7
Reserve Stock per Contra		4,60,542 1 4
Amount to be renewed in 1912-1913 for unpaid charges for and prior to 1911-1912		8,96,295 5 2
Reserve Stock Purchases	22,116 7 0	
Executive Engineer (General)	979 11 0	
Stock adjustment account	146 6 5	
		23,242 8 5
		21,85,627 0 6
Balance at the close of the year 1911-1912—		
Minimum Cash Balance required by the Act	1,00,000 0 0	
Amount reserved for payment to the C. I. Trust on account of contribution from revenues earmarked for the purpose during the year	9,25,000 0 0	
SURPLUS CASH BALANCE	19,48,056 14 6	
		29,73,056 14 6
	Total Rs. ...	51,58,683 15 0

W. E. WAITE,
Chief Accountant.

No. 6.

CASH BALANCE.

Balance at the close of the year 1911-1912.

By			Rs. a. p.	Rs. a. p.
Cash Deposits and Investments—				
Cash balance in the Office and Bank Treasuries			3,70,273 4 0	
Surplus Funds investments			38,51,073 2 2	
				42,21,346 6 2
Advances—				
To Loan Works—				
Expenditure on Loan Works as per Appendix No. 6 A, attached, including Plague expenses up to 1903-1904			5,20,42,105 14 2	
Less—				
Amount drawn from Loan Funds as per Appendix No. 6 A, attached ...			5,20,42,105 14 2	.....
To Municipal Officers, &c....			46,955 12 5	
Miscellaneous Advances			45,647 13 1	
To private and Departmental Works including Workshops			39,395 1 6	
To printing and stamping, building and repair certificates and water application forms			89 4 9	
To Contractors			515 8 8	
To Chief Auditor and Accountant, G. I. P. Railway...			35,367 0 0	
New Works to be subsequently provided for under a new loan to be raised			2,94,329 9 9	
				4,62,300 2 2
Reserve Stock—				
Serviceable Stores—		Rs. a. p.		
Stock		3,07,380 9 6		
Water Works Imprest		2,086 0 10		
			3,09,466 10 4	
Line Suspense account			1,15,652 8 5	
			4,25,119 2 9	
Surplus and obsolete stores			35,422 14 7	
				4,60,542 1 4
Sales (Stores)				14,495 5 4
			Total Rs. ...	51,58,683 15 0

P. R. CADELL,

Municipal Commissioner.

Appendix No. 6-A.

STATEMENT showing (1) the Amount of Loans raised, (2) the Expenditure on Loan Works, and (3) the Invested Balance on 31st March 1912.

	Amount of Loan raised.	Amount expended.
	Rs.	Rs. a. p.
DRAINAGE AND WATER WORKS (Rs. 26,94,000) LOAN OF 1878—		
Drainage, 1st Section	26,94,000	16,52,449 12 9 (a)
Water Works (Bhandarwada)		10,16,830 13 3
	26,94,000	26,69,280 10 0
SURFACE DRAINAGE WORKS	6,00,000	6,00,000 0 0
SANITARY WORKS (44 LAKHS) LOAN—		
Surface Drainage Works (Rs. 13,22,134-3-3—Rs. 6,00,000)	44,00,000	7,22,134 3 3
Drainage (1883-84)...		10,74,951 2 0 (b)
Do. (1884)		4,01,080 11 5
Ripon Road		1,41,500 1 2
Other Sanitary Works		87,110 9 6
Water Works		18,95,947 12 0
	44,00,000	43,22,724 7 4
SANITARY WORKS (7 LAKHS) LOAN—		
Fort Drainage, &c.	7,00,000	4,62,337 0 0
Water Works		1,42,241 5 4
	7,00,000	6,04,578 5 4
DRAINAGE AND WATER WORKS (12 LAKHS) LOAN—		
Queen's Road Sewerage, &c.	12,00,000	9,01,437 3 2
Water Works (Frere Road, Main)		80,031 5 0
	12,00,000	9,81,468 8 2
MISCELLANEOUS WORKS (10,08,500) LOAN—		
Drainage Works	10,08,500	58,396 14 10
Cross Road at Mahaluxmi Station		19,594 4 8
Nowrojee Hill Road		70,089 2 0
Markets (Erskine Road, &c.)		4,86,906 2 8
Water Works		1,16,214 3 2
	10,08,500	7,51,200 11 4
HOUSE SULLAGE WATER CONNETIONS, AGRIPADA (Rs. 2,48,000) LOAN	2,48,000	2,33,533 12 10
VARIOUS SANITARY WORKS (35 LAKHS) LOAN—		
Drainage	35,00,000	13,864 7 3
New Roads at Agripada and elsewhere		15,26,679 2 9
Bhuleshwar Market Extension and Foras Road Market		3,72,835 15 1
Other Works		4,11,271 5 9
Water Works		8,72,574 9 10
	35,00,000	31,97,225 8 8
TANSA WATER WORKS (147 LAKHS) LOAN...	1,47,00,000	1,46,96,383 7 0
MUNICIPAL BUILDING (INCLUDING FURNITURE, &c.) (8 LAKHS) LOAN.	8,00,000	7,33,060 3 0 (c)
FIRE BRIGADE QUARTERS, &C. (4½ LAKHS) LOAN	4,50,000	4,03,320 6 1
23¼ LAKHS DRAINAGE, WATER WORKS, ROADS AND OTHER WORKS LOAN—		
Drainage	23,25,000	17,44,602 15 5
Falkland Road Overbridge		15,082 9 4
Wari Bunder Bridge		1,32,652 0 0
Other Works		5,890 14 1
Water Works		1,49,522 5 7
	23,25,000	20,47,750 12 5
Carried over Rs. ...	3,26,25,500	3,12,40,526 12 2

(a) Including Rs. 1,94,031-13-3 written off in 1902-03 on account of properties not then existing.

(b) Do. Rs. 98,438-1-9 do. do. do. do.

(c) Excluding Rs. 7,34,326-8-3 paid out of the Invested Fund.

No. 6-A—*concluded.*

	Amount of Loan raised.	Amount expended.
	Rs.	Rs a. p.
Brought forward Rs. ...	3,26,25,500	3,12,40,526 12 2
15¾ Lakhs Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works Loan—		
Drainage		5,69,077 1 0
Wari Bunder and Victoria Roads, *less* Rs. 1,56,500 contributed by the Port Trust for Wari Bunder Road	15,75,000	1,60,281 9 4
Burial Ground		2,11,652 4 5
Water Works		12,842 13 10
	15,75,000	9,53,853 12 7
25 Lakhs Loan for Sewerage, &c., Works—		
Drainage		11,25,083 14 4
Water Works	25,00,000	2,04,268 6 8
Disposal of Town Sweepings and Land for Burial Ground ...		11,33,264 0 0
	25,00,000	24,62,616 5 0
19¼ Lakhs Loan for Sewerage, Roads, &c., Works—		
Drainage	19,25,000	14,53,566 3 4
Miscellaneous Works		1,01,232 2 6
	19,25,000	15,54,798 5 10
24¾ Lakhs Loan for Sewerage and Water Works—		
Drainage	24,75,000	15,93,742 1 1
Water Works		2,53,365 7 8
	24,75,000	18,47,107 8 9
12¾ Lakhs Loan for Water Works—		
Water Works	12,75,000	6,33,436 8 0
2nd 24¾ Lakhs Loan for certain Sewerage Works	24,75,000	7,12,125 3 4
13½ Lakhs Loan for various Sanitary, &c., Works—		
Health Department Chawls and Stables	13,50,000	5,32,703 1 11
	13,50,000	5,32,703 1 11
15 Lakhs Loan for Street Improvement in different Places.	15,00,000	15,00,000 0 0
30 Lakhs Loan—For acquisition of sites for construction of various Overbridges	30,00,000	12,71,729 6 1
55 Lakhs Loan for Miscellaneous Works—		
Roads, &c.		1,62,659 15 8
Drainage	30,00,000	19,49,103 4 5
Water Works		2,31,778 0 8
Miscellaneous		6,56,458 11 3
	30,00,000	30,00,000 0 0
Executed out of savings on Different Loans—		
Drainage	.....	9,96,562 15 9
Water Works	.....	6,33,744 5 0
Markets	.....	1,07,982 14 6
Roads, &c.	.....	92,355 8 4
Street Improvements in different places	.....	2,40,000 0 0
Miscellaneous Works	.....	3,98,820 0 9
	.....	25,19,465 12 4
Advances from Surplus Balances—		
Drainage	.....	3,68,312 12 8
Water Works	.....	1,84,050 13 8
Roads and Overbridges	.....	5,74,714 3 4
Other Works	.....	2,766,12 13 2
Balance of advance for Plague	.....	4,10,052 7 4
	.....	18,13,743 2 2
Loan for Plague Expenses—		
Plague Expenses incurred from 1896-97 to 1903-04 (deducting Rs. 14½ lakhs met from the Government Contribution, Rs. 16 Lakhs received from the City Improvement Trust now adjusted against this head)	20,00,000	20,00,000 0 0
Grand Total ... Rs.	5,57,00,500 (*a*)	5,20,42,105 14 2 (*b*)

	Rs. a. p.
(*a*) Amount of Loans raised	5,57,00,500 0 0
(*b*) Do. expended	5,20,42,105 14 2
Invested Balance (*vide* Statement 10, page .91)... ...	36,58,394 1 10

W. E. WAITE,
Chief Accountant.

P. R. CADELL,
Municipa Commissioner.

Appendix

STATEMENT showing (1) the various Municipal loans and their amounts, (2) the unutilized balances to meet the cost of new works, &c.,

Serial No.	NAME OF THE LOAN.	Amount raised.	Transferred to meet the cost of new works provided out of Savings on different Loans.
	1	2	3
		Rs.	Rs. a. p.
1	Drainage Loan of 1878	26,94,000	—24,719 6 0
2	Surface Drainage Works	6,00,000	.....
3	Sanitary Works Loan (44 lakhs)	44,00,000	—77,275 8 8
4	Tansa Water Works (147 lakhs)	1,47,00,000	—3,616 9 0
5	Sanitary Works Loan of 1887-88	7,00,000	—95,421 10 8
6	Sewerage Works and Water Supply Improvement (12 lakhs).	12,00,000	—2,18,531 7 10
7	Markets and other Miscellaneous Works (Rs. 10,08,500).	10,08,500	—2,57,299 4 8
8	House Sullage Water Connections, Agripada	2,48,000	—14,466 3 2
9	Various Sanitary Works (35 lakhs)	35,00,000	—3,02,774 7 4
10	New Municipal Office building (8 lakhs)	8,00,000	—66,939 13 0
11	Fire Brigade Quarters and Stations (14½ lakhs)	4,50,000	—46,679 9 11
12	Drainage Water Works, Roads and other works (23¼ lakhs).	23,25,000	—2,77,249 3 7
13	Sewerage, Wari Bunder, &c., Roads, Burial-ground and certain Water Works (15¾ lakhs).	15,75,000	—3,09,684 2 5
14	Sewerage Water and other Sanitary Works (25 lakhs) ...	25,00,000	—22,451 6 7
15	Plague Charges (20 lakhs)	20,00,000	.....
16	Sewerage, Roads and other Sanitary Works (19¼ lakhs)..	19,25,000	—2,06,961 12 8
17	Sewerage and Water Works (24¾ lakhs)	24,75,000	—3,70,079 15 8
18	Certain Water Works (12¾ lakhs)	12,75,000	—66,801 10 2
19	Sewerage Works (2nd 24¾ lakhs)	24,75,000	—1,04,904 4 8
20	Construction of Qua ers for Halalcores and Bigaries (13½ lakhs).	13,50,000	.....
21	Street Improvements (15 lakhs)	15,00,000	.....
22	Acquisition of Sites for the construction of various over-bridges in the City (30 lakhs).	30,00,000	.....
23	Miscellaneous Works (55 lakhs)	30,00,000	.....
		5,57,00,500	24,65,856 8 0
	Transfers made to provide for Works under Savings ..	.....	2,98,543 0 9
		5,57,00,500	—27,64,399 8 9
24	Works executed out of Savings on different Loans ...	.....	.....
	Total Rs. ...	.....	.....

W. E. WAITE,
Chief Accountant.

No. 6-B.

expenditure incurred against each of them, (3) the amounts withdrawn temporarily from their (4) invested balances of the loans on 31st March 1912.

Net amount available.	Amount expended on works proper upto 31st March 1912.	Balance on 1st April 1912.	Amount advanced to meet the cost of Plague and sanctioned new works, &c., for which loans are yet to be raised.	Balances invested.
4	5	6	7	8
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
26,69,280 10 0	26,69,280 10 0	.....	.....	.....
6,00,000 0 0	6,00,000 0 0	.....	.....	.....
43,22,724 7 4	43,22,724 7 4	.....	.....	.....
1,46,96,383 7 0	1,46,96,383 7 0	.....	.....	.....
6,04,578 5 4	6,04,578 5 4	.....	.....	.....
9,81,468 8 2	9,81,468 8 2	.....	.....	.....
7,51,200 11 4	7,51,200 11 4	.....	.....	.....
2,33,533 12 10	2,33,533 12 10	.....	.....	.....
31,97,225 8 8	31,97,225 8 8	.....	.....	.....
7,33,060 3 0	7,33,060 3 0	.....	.....	.....
4,03,320 6 1	4,03,320 6 1	.....	.....	.....
20,47,750 12 5	20,47,750 12 5	.....	.....	.....
12,65,315 13 7	9,53,853 12 7	3,11,462 1 0	3,11,462 1 0	.....
24,77,548 9 5	24,62,616 5 0	14,932 4 5	14,932 4 5	.....
20,00,000 0 0	20,00,000 0 0	.....	.....	.....
17,18,038 3 4	15,54,798 5 10	1,63,239 13 6	1,63,239 13 6	.....
21,04,920 0 4	18,47,107 8 9	2,57,812 7 7	2,57,812 7 7	.....
12,08,198 5 10	6,33,436 8 0	5,74,761 13 10	5,74,761 13 10	.....
23,70,095 11 4	7,12,125 3 4	16,57,970 8 0	4,91,534 9 10	11,66,435 14 2
13,50,000 0 0	5,32,703 1 11	8,17,296 14 1	.....	8,17,296 14 1
15,00,000 0 0	15,00,000 0 0	.....	.....	.....
30,00,000 0 0	12,71,729 6 1	17,28,270 9 11	.....	17,28,270 9 11
30,00,000 0 0	30,00,000 0 0	.....	.....	.....
5,32,34,643 8 0	4,77,08,896 15 8	55,25,746 8 4	18,13,743 2 2	37,12,003 6 2
—2,98,543 0 9	.....	—2,98,543 0 9	.....	—2,98,543 0 9
5,29,36,100 7 3	4,77,08,896 15 8	52,27,203 7 7	18,13,743 2 2	34,13,460 5 5
27,64,399 8 9	25,19,465 12 4	2,44,933 12 5	.....	2,44,933 12 5
5,57,00,500 0 0	5,02,28,362 12 0	54,72,137 4 0	18,13,743 2 2	36,58,394 1 10

P. R. CADELL,
Municipal Commissioner.

Appendix

STATEMENT of Outstanding Loans due by the Municipality and

	Particulars of Loans.	Rate of Interest.	Balance due on 1st April 1911.	Amount raised in 1911-12.	Total.	Amount re-paid in 1911-12.	Balance due on 31st March 1912.
	1	2	3	4	5	6	7
			Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Loan raised from Government.						
1	Vehar Water Works Debt.	4 per cent. ...	23,11,146 9 8	.....	23,11,146 9 8	21,899 12 11	22,89,246 12 9
	Loan raised from the Public.						
2	Drainage Loan of 1878 (Rs. 26,94,000)	5 per cent. ...	10,31,500 0 0	.....	10,31,500 0 0	(a) 1,05,500 0 0	9,26,000 0 0
3	The Sanitary Works Loan of 1885-86 (Rs. 44 Lakhs)	5 per cent. ...	37,39,000 0 0	.....	37,39,000 0 0	(b)	37,39,000 0 0
4	The Sanitary Works Loan of 1888 (Rs. 7 Lakhs)	5 per cent. ...	7,00,000 0 0	.....	7,00,000 0 0	(b)	7,00,000 0 0
5	The Tansa Water Works Loan (Rs. 147 Lakhs)	5 per cent. ...	1,47,00,000 0 0	.....	1,47,00,000 0 0	(b)	1,47,00,000 0 0
6	The Drainage and Water Works Loan of 1888 (Rs. 12 Lakhs) ...	5 per cent. ...	12,00,000 0 0	.....	12,00,000 0 0	(b)	12,00,000 0 0
7	The Miscellaneous Works Loan of 1888-89 for Drainage and Water Works, Markets and Roads (Rs. 10,08,500)	5 per cent. ...	10,08,500 0 0	.....	10,08,500 0 0	(b)	10,08,500 0 0
8	The Agripada House Sullage Water Connections Loan of 1889-90 of Rs. 2,48,000	5 per cent. ...	2,48,000 0 0	.....	2,48,000 0 0	(b)	2,48,000 0 0
9	The 35 Lakhs Various Sanitary Works Loan of 1890-91	5 per cent. ...	35,00,000 0 0	.....	35,00,000 0 0	(b)	35,00,000 0 0
10	The Municipal Office Building Loan of 1891 (Rs. 8 Lakhs)	5 per cent. ...	8,00,000 0 0	.....	8,00,000 0 0	(b)	8,00,000 0 0
11	The Loan of 4½ Lakhs for Fire Brigade Quarters and Stations ...	4 per cent. ...	4,50,000 0 0	.....	4,50,000 0 0	(b)	4,50,000 0 0
12	The Loan of 42 Lakhs for repayment of the Balance of the 4½ per cent. Government Consolidated Loan	4 per cent. ...	42,00,000 0 0	.....	42,00,000 0 0	(b)	42,00,000 0 0
13	The Loan of 23¼ Lakhs for Drainage and other Works	4 per cent. ...	23,25,000 0 0	.....	23,25,000 0 0	(b)	23,25,000 0 0
14	The Loan of 15¾ Lakhs for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (1st instalment of Rs. 10 Lakhs)	3½ per cent. ...	15,75,000 0 0	.....	15,75,000 0 0	(b)	15,75,000 0 0
	Do. do. (2nd instalment of Rs. 5¾ Lakhs)...	4 per cent. ...					
15	25 Lakhs Loan for Sewerage, Water and other Sanitary Works ...	4 per cent. ...	25,00,000 0 0	.....	25,00,000 0 0	(b)	25,00,000 0 0
16	20 Lakhs Loan for Plague purposes..	4 per cent. ...	20,00,000 0 0	.....	20,00,000 0 0	(b)	20,00,000 0 0
17	19¼ Lakhs Loan for Sewerage, Roads and other Sanitary Works..	4 per cent. ...	19,25,000 0 0	.....	19,25,000 0 0	(b)	19,25,000 0 0
18	24¾ Lakhs Loan for certain Sewerage and Water Works	4 per cent. ...	24,75,000 0 0	.....	24,75,000 0 0	(b)	24,75,000 0 0
19	12 Lakhs Loan for certain Water Works	4 per cent. ...	12,75,000 0 0	.....	12,75,000 0 0	(b)	12,75,000 0 0
20	The 2nd 24¾ Lakhs Loan for certain Sewerage Works	4 per cent. ...	24,75,000 0 0	.....	24,75,000 0 0	(b)	24,75,000 0 0
21	13¾ Lakhs Loan for the construction of quarters for Halalkhores and Biggaries	4 per cent. ...	13,50,000 0 0	.....	13,50,000 0 0	(b)	13,50,000 0 0
22	The 15 Lakhs Loan for Street Improvements	4 per cent. ...	15,00,000 0 0	.....	15,00,000 0 0	(b)	15,00,000 0 0
23	The 30 Lakhs Loan for the Acquisition of sites for the construction of different Overbridges in the City	4 per cent. ...	30,00,000 0 0	.....	30,00,000 0 0	(b)	30,00,000 0 0
24	1st Instalment of Rs. 30 Lakhs of the 55 Lakhs Loan for Miscellaneous Works...	.....	.....	30,00,000 0 0	30,00,000 0 0	.....	30,00,000 0 0
	Total of Loans raised from the Public ...	Rs. ...	5,39,77,000 0 0	30,00,000 0 0	5,69,77,000 0 0	1,05,500 0 0	5,68,71,500 0 0
	GRAND TOTAL ...	Rs. ...	5,62,88,146 9 8	30,00,000 0 0	5,92,88,146 9 8	1,27,399 12 11	5,91,60,746 12 9

W. E. WAITE,

Chief Accountant.

No. 7.

the sums set aside as Sinking Fund at 31st March 1912.

Interest paid in 1911-12.	Total of columns Nos. 6 and 8.	Remarks.
8	9	
Rs. a. p.	Rs. a. p.	
92,076 3 1	1,18,976 0 0	(*a*) The amount stipulated to be paid off on 1st January 1912 was Rs. 1,06,000, which together with unpaid debentures aggregating Rs. 17,000 for the preceding years, aggregated Rs. 1,23,000 against which the debentures actually surrendered for payment up to 31st March 1912, amounted to Rs. 1,05,500. The unpaid balance thus amounts to Rs. 17,500 which is represented by the following debentures :— No. 2368 for Rs. 500 repayable on 1st January 1906 and Nos. 2780 to 2788, 2804 to 2815 for Rs. 500 each, repayable on 1st January 1909 and No. 2984 repayable on 1st January 1910, and Nos. 3246, 3259, 3260, repayable on 1st January 1911, and Nos. 3300 to 3383, 3386, 3413 to 3416, repayable on 1st January 1912. The unpaid debentures do not carry interest beyond the due date and will be repaid from the renewed grant when the holders apply for payment.
		(*b*) As under the terms of these Loans the bonds cannot be repaid to the holders before the dates stipulated in the Debentures, the Sinking Fund has been invested as under :—

	Amount of Sinking Fund invested up to 31st March 1911.	Sinking Fund Instalments paid in 1911-12.	Interest accumulations invested in 1911-12.	Total.
I.—5 per cent. Loans.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
51,825 0 0 — 44 Lakhs Sanitary Works Loan	16,23,896 2 9	41,071 6 5	74,461 9 10	17,39,429 3 0
1,57,325 0 0 — 7 Do. do. do. do.	2,55,441 13 10	8,382 2 9	11,342 4 6	2,75,166 5 1
1,84,962 8 0 — 147 Do. Tansa Water Works Loan	13,93,381 3 9	65,243 10 6	62,670 13 3	15,21,295 11 6
1,84,962 8 0 — 12 Do. Drainage and Water Works Loan	4,54,655 3 6	12,805 14 0	20,523 2 2	4,87,984 3 8
31,637 8 0 — Rs. 10,08,500 Miscellaneous Works Loan	3,48,318 8 11	11,779 0 10	16,011 3 1	3,76,108 12 10
31,637 8 0 — Rs. 2,48,000 Agripada House Sullage Water Connections Loan	85,759 1 8	2,716 9 5	3,846 9 3	92,322 4 4
7,38,337 8 0 — 35 Lakhs Various Sanitary Works Loan	10,42,783 13 2	43,579 8 0	46,660 9 1	11,33,023 14 3
7,38,337 8 0 — 8 Do. Municipal Office Building Loan	2,28,085 10 8	9,152 14 4	10,455 7 6	2,47,694 0 6
59,425 0 0 —				
59,425 0 0 — Total I. ...	54,32,321 10 3	1,94,731 2 3	2,45,971 10 8	58,73,024 7 2
		4,40,702 12 11		
49,562 8 0 — In 5 and 4 per cent. Municipal and 4 per cent. Improvement Trust Debentures and in 3½ per cent. Govt. Paper at par lodged with the Bank of Bombay	54,32,000 0 0	4,41,000 0 0		58,73,000 0 0
12,387 8 0 — Cash deposited with the Bank of Bombay	321 10 3	—297 3 1		24 7 2
1,73,812 8 0 —				
1,73,812 8 0 — *II.—4 per cent. Loans. (3½ per cent. basis.)*				
40,000 0 0 — 4½ Lakhs Fire Brigade Quarters and Stations Loan...	2,09,718 3 0	8,304 1 11	8,291 0 4	2,26,313 5 3
20,410 0 0 — 42 Lakhs Loan for repayment of Balance of Government Consolidated Loan	18,40,594 12 10	81,541 0 2	70,913 2 2	19,93,048 15 2
20,410 0 0 — 23½ Lakhs Loan for Drainage and other Works ...	5,19,032 9 10	27,629 4 8	20,098 11 10	5,66,760 10 4
15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and Certain Water Works (2nd Instalment)	1,20,177 0 5	7,424 12 11	4,666 13 9	1,32,268 10 1
1,65,200 0 0 — 25 Lakhs Loan for Sewerage, Water, &c., Works ...	3,77,520 5 2	29,327 7 4	14,347 9 8	4,21,195 6 2
1,65,200 0 0 — 20 Lakhs Loan for Plague purposes	8,41,612 4 7	69,797 0 7	33,378 11 1	9,44,788 0 3
91,150 0 0 — 19¼ Lakhs Loan for Sewerage, Roads and other Sanitary Works...	2,65,231 13 2	22,507 6 8	10,406 13 4	2,98,146 1 2
91,150 0 0 — 24¾ Lakhs Loan for Sewerage and Water Works ...	2,27,570 2 8	29,022 1 11	9,036 11 2	2,65,628 15 9
12½ Lakhs Loan for certain Water Works	1,64,613 7 1	24,602 14 6	6,436 5 4	1,95,652 10 11
2nd 24¾ Lakhs Loan for Sewerage Works	The Sinking Fund of this loan is shown under a separate head below, it having been decided that the investments should be on a 3 per cent basis.			
58,410 0 0 — 58,410 0 0 —				
58,410 0 0 — Total II ...	45,66,070 10 9	3,00,156 2 8	1,77,575 14 8	50,43,802 12 1
		4,77,732 1 4		
99,850 0 0 — 79,300 0 0 — In 4 per cent. Municipal and Improvement Trust Debentures and in 2½ per cent. Govt. Paper lodged with the Bank of Bombay	45,65,668 2 0	4,78,000 0 0		50,43,668 2 0
79,240 0 0 — 79,240 0 0 —				
98,330 0 0 — 98,330 0 0 — Cash deposited with the Bank of Bombay	402 8 9	—267 14 8		134 10 1
50,820 0 0 — 50,820 0 0 —				
III.—4 per cent. Loans (3 per cent. basis.)				
98,260 0 0 — 2nd 24¾ Lakhs Loan for Sewerage Works	1,39,054 3 8	32,809 10 7	4,607 4 7	1,76,471 2 10
98,260 0 0 — 13½ Lakhs Loan for the construction of Quarters for Halalkhores and Bigaries	58,756 14 11	28,374 13 5	2,342 8 6	89,474 4 10
53,940 0 0 — 15 Lakhs Loan for Street Improvements	20,290 7 5	19,893 0 0	1,011 9 4	41,195 0 9
53,940 0 0 — 30 Lakhs Loan for acquisition of sites for Overbridges	39,983 2 0	39,787 0 0	2,004 5 7	81,774 7 7
59,120 15 1 — 59,120 15 1 — Total III ...	2,58,084 12 0	1,20,864 8 0	9,965 12 0	3,88,915 0 0
		1,30,880 4 0		
1,19,861 0 3 — In 3 per cent. Government Paper, etc., lodged with the Bank of Bombay	2,57,900 0 0	1,31,000 0 0		3,88,900 0 0
		—169 12 0		
28,545 15 6 — 28,545 15 6 — Cash deposited with the Bank of Bombay	184 12 0			15 0 0
IV.—3½ per cent. Loans.				
24,44,387 14 10 — 25,49,887 14 10 — 15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (1st instalment)	2,11,738 6 8	10,903 7 4	7,754 4 0	2,30,396 2 0
		18,657 11 4		
In 3½ per cent. Government Paper, etc., lodged with the Bank of Bombay	2,11,501 9 0	18,500 0 0		2,30,001 9 0
Cash deposited with the Bank of Bombay	236 13 8	157 11 4		394 9 0
25,36,464 1 11 — 26,63,863 14 10 — GRAND TOTAL I, II, III and IV ...	1,04,68,215 7 8	6,26,655 4 8	4,41,267 9 4	1,15,36,138 5 8

P. R. CADELL,

Municipal Commissioner.

Appendix

SINKING

STATEMENT showing the Actual Investments on account of the Sinking Fund of Different that date on the basis

NAME OF LOAN.	Amount raised.	When Repayable.	Amount of Annual Sinking Fund Instalment.	Date when Sinking Fund commenced.
1	2	3	4	5
	Rs.	Rs.	Rs.	
5 per cent. Municipal Loans.				
44 Lakhs Sanitary Works Loan ...	44,00,000	1st July 1886 7,000 1st „ 1887 4,43,000 1st „ 1890 51,000 1st „ 1895 1,60,000 1st „ 1925 37,39,000	† 41,872	..... *
7 Lakhs Sanitary Works Loan	7,00,000	1st February 1928 ...	8,170	1st February 1889...
147 Lakhs Tansa Water Works Loan ...	1,47,00,000	(*a*) Between 1st January 1928 and 1st Jan. 1953.	66,040	1st January 1893 ...
12 Lakhs Drainage and Water Works Loan.	12,00,000	1st January 1928 ...	(*b*) 12,616	1st January 1889 ...
Rs. 10,08,500 Miscellaneous Works Loan.	10,08,500	1st October 1928 ...	11,940	1st October 1889 ...
Rs. 2,48,000 Agripada House Sullage Water Connections Loan.	2,48,000	1st July 1929 ...	2,659	1st January 1891 ...
35 Lakhs various Sanitary Works Loan.	35,00,000	1st July 1930 ...	43,061	1st July 1891
8 Lakhs Municipal Office Building Loan.	8,00,000	1st July 1931 ...	9,293	1st July 1892 ...
4 per cent. and 3½ per cent. Municipal Loans.				
4½ Lakhs Fire Brigade Quarters and Stations Loan.	4,50,000	1st January 1923 ...	8,570	1st January 1894 ...
42 Lakhs Loan for the repayment of the balance of Government Consolidated Loan.	42,00,000	1st July 1923 ...	80,678	1st July 1894 ...
23½ Lakhs Loan for Drainage and other Works.	23,25,000	1st July 1935 ...	27,467	1st July 1896 ...
15¾ Lakhs Loan for Sewerage, Wari Bunder, etc., Roads, Burial Ground and certain Water Works—				
1st Instalment	10,00,000 raised at 3½ per cent.	1st July 1936	(*c*) 11,147	1st July 1897 ...
2nd Do.	5,75,000 raised at 4 per cent.		7,286	
25 Lakhs Loan for Sewerage, Water, etc., Works.	25,00,000	1st November 1939 ...	29,535	1st November 1900.
20 Lakhs Loan for Plague purposes ...	20,00,000	1st May 1920 ...	70,482	1st May 1901 ...
19¼ Lakhs Loan for Sewerage Roads and other Sanitary Works.	19,25,000	1st June 1940 ...	22,698	1st June 1901 ...
24¾ Lakhs Loan for certain Sewerage and Water Works.	24,75,000	1st June 1943 ...	29,286	1st June 1904 ...
12¾ Lakhs Loan for certain Water Works.	12,75,000	1st August 1934 ...	24,698	1st August 1905 ...
2nd 24¾ Lakhs Loan for Sewerage Works.	24,75,000	1st August 1946 ...	(*d*) 32,823	1st August 1907 ...
13½ Lakhs Loan for the construction of Quarters for Halalkhores and Biggarries.	13,50,000	1st May 1938 ...	28,376	1st May 1909 ...
15 Lakhs Loan for Street Improvements	15,00,000	1st May 1949 ...	19,893	1st May 1910 ...
30 Lakhs Loan for the acquisition of Sites, for the construction of various overbridges in the City.	30,00,000	1st May 1949 ...	39,787	1st November 1910.
			Total Rs. ...	

W. E. WAITE,
Chief Accountant.

No. 7 (*a*).

FUND.

Loans upto 31st March 1912, compared with the amounts which should have accumulated upto of the Fixed Instalments.

Amount of Sinking Fund which should have accumulated up to 31st March 1912 at Compound Interest.	Amount actually invested up to 31st March 1912.	Amount of Interest due up to 31st March 1912 collected and invested in 1912-13.	Total of Columns 7 and 8.	Remarks.
6	7	8	9	10
Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
17,68,473	17,39,429 3 0	30,325 2 7	17,69,754 5 7	† All the Sinking Fund Instalments were re-arranged during 1906-07 on a 3½ per cent. basis as per Corporation Resolution No. 4946 of 9th February 1905. * As Rs. 6,61,000 of this Loan were paid off by 31st December 1895, leaving a balance of Rs. 37,39,000 repayable on 1st July 1925, and as the Invested Sinking Fund on 31st March 1896 amounted to Rs. 4,51,047-15-5 the amount of the Annual Sinking Fund Instalment was reduced from Rs. 37,000 to Rs. 30,550 from 1st January 1897.
2,79,770	2,75,166 5 1	4,329 2 1	2,79,495 7 2	
15,42,745	15,21,295 11 6	24,320 5 3	15,45,616 0 9	
4,96,220	4,87,984 3 8	8,070 4 1	4,96,054 7 9	(*a*) Rs. 2,00,000 repayable on 1-1-1928. „ 52,91,500 „ „ 1-1-1933. „ 22,08,500 „ „ 1-1-1943. „ 17,00,000 „ „ 1-1-1946. „ 10,00,000 „ „ 1-1-1948. „ 42,00,000 „ „ 1-1-1953.
3,81,962	3,76,108 12 10	6,386 9 1	3,82,495 5 11	
93,884	93,322 4 4	1,517 1 9	93,839 6 1	(*b*) In January 1889 Rs. 10,000 were invested and in subsequent years Rs. 11,000.
11,51,337	11,33,023 14 3	17,493 8 2	11,50,517 6 5	
2,51,419	2,47,694 0 6	4,058 5 6	2,51,752 6 0	
2,28,289	2,26,313 5 3	2,626 1 0	2,28,939 6 3	
20,16,956	19,93,048 15 2	22,412 15 3	20,15,461 14 5	
5,73,234	5,66,760 10 4	6,307 13 8	5,73,068 8 0	
2,32,416	2,30,396 2 0	2,396 10 0	2,32,792 12 0	(*c*) In 1897-98 Rs. 18,875 were invested in 3½ per cent. Government Paper.
1,33,715	1,32,268 11 1	1,432 13 2	1,33,701 8 3	
4,26,057	4,21,195 6 2	5,378 6 6	4,26,573 12 8	
9,54,789	9,44,788 0 3	11,778 3 0	9,56,566 3 3	
3,01,341	2,98,146 1 2	3,646 5 4	3,01,792 6 6	
2,67,921	2,65,628 15 9	3,071 9 5	2,68,700 9 2	
1,97,449	1,95,652 10 11	1,474 14 1	1,97,127 9 0	
1,77,745	1,76,471 2 10	1,323 7 7	1,77,794 10 5	(*d*) The Sinking Fund of this Loan has been calculated on a 3 per cent. instead of 3½ per cent. basis since 1907-08.
90,119	89,474 4 10	671 0 7	90,145 5 5	
41,493	41,195 0 9	308 15 1	41,503 15 10	
81,776	81,774 7 7	613 4 9	82,387 12 4	
1,16,89,110	1,15,36,138 5 3	1,59,942 13 11	1,16,96,081 3 2	

P. R. CADELL,
Municipal Commissioner.

Appendix

STATEMENT showing the Interest outstanding on 1st April 1911 on the different of Bombay during that year, and the

	Name of each Loan.	Dates when raised.	Authority. Corporation Resolution.	Authority. Government Resolution.
	5 per cent Loans.			
1	Drainage Loan of 1878 (Rs. 26,94,000) ...	1st November and 1st December 1878.	No. 1296 10-9-78.	No. 2951 28-9-78.
2	The Sanitary Works Loan of 1885-86 (Rs. 44,00,000).	Between 5th May 1885 and 30th March 1886.	Nos. 9021 8-12-81, 905 12-3-82 and 438 16-5-83	Nos. 2669 17-7-82, 384 2-2-83, 3771 19-10-83, 460 4-2-84 and 124 27-4-85.
3	The Sanitary Works Loan of 1888 (Rs. 7,00,000).	1st February 1888	No. 991 13-10-86.	No. 1427 4-5-88.
4	The Tansa Water Works Loan (Rs. 1,47,00,000).	Between 5th June 1886 and 24th December 1891.	Nos. 1312 13-11-85 and 345 9-4-91.	Nos. 561 12-2-86, 1008 16-3-86, 1930 31-5-86, 2876 21-9-87, 3978 21-7-88, 4198 8-10-89, 3392 23-8-90, and 3262-63 15-9-91.
5	The Drainage and Water Works Loan of 1888 (Rs. 12,00,000).	1st January and 1st July 1888.	Nos. 894 20-7-87 and 1145 8-9-87.	Nos. 873 16-3-88.
6	The Miscellaneous Works Loan 1888-89 (Drainage and Water Works, Markets and Roads) (Rs. 10,08,500.)	Between 1st November 1888 and 1st July 1889.	No. 29 4-4-88.	Nos. 4937 7-9-88, 3280 19-9-89, 4138 24-11-88
7	The Agripada House Sullage and Water Connections Loan of 1889-90 (Rs. 2,48,000).	Between 1st January and 1st July 1890.	No. 4688. 8-10-86.	Nos. 6547 28-12-89 and 17 3-1-90.
8	The Various Sanitary Works Loan of 1890-91 (Rs. 35,00,000)	Between 25th September 1890 and 1st January 1892.	Nos. 29 4-4-88, 5293 19-11-88, 5605 7-1-89, 572 13-5-89, 5152 25-11-89, 6235 23-1-90, 433 17-4-90 and 1488 22-5-90.	No. 3392 23-8-90.
9	The Municipal Building Loan of 1891 (Rs. 8,00,000).	24th December 1891	No. 11551 8-2-91.	No. 3262 15-9-91.
	4 per cent. Loans.			
10	The Loan for Fire Brigade Quarters and Stations (Rs. 4,50,000).	23rd December 1892, 30th November and 1st December 1893.	No. 5144 8-8-92.	Nos. 1023 29-3-92, 2501 14-6-92, 2164 28-6-92 and 3145 6-9-92.
11	The Loan for repayment of the balance of the 4½ per cent. Government Consolidated Loan (Rs. 42,00,000).	28th and 29th June 1893 ...	No. 13956 23-3-93.	No. 1989 6-6-93.
12	The Loan for Drainage and other Works (Rs.23,25,000).	12th and 31st January 1894 and 11th and 15th July 1895.	No. 6222 28-9-93.	Nos. 809 3-3-94. and 3764 8-10-94.
13	The Loan for Sewerage, Wari Bunder, &c., Roads. Burial Ground, and certain Water Works (Rs. 15,75,000 of which the 2nd instalment of Rs. 5,75,000 was raised at 4 per cent.).	17th July 1899	Nos. 504 12-4-94. 13697 7-3-95, 8992 7-11-95, 8976 7-11-95, 12034/5 4-2-97, and 14435 25-3-97.	Nos. 3501 22-6-95, 883 22-2-96, 2320 3-6-99 and 2643 23-6-99.
14	The Loan for Sewerage and other Sanitary Works (Rs. 25,00,000).	17th and 18th July 1899 ...	Nos. 8976 7-11-95, 12034/5 4-2-97, and 14435 25-3-97.	Nos. 3841 A 28-8-97, Telegram 26-7-98 and 2320 3-6-99.
15	The Loan for Plague purposes (Rs. 20,00,000).	6 lakhs raised between 15th July and 20th Dec. 1899, 6 lakhs raised in Nov. 1900. and 8 lakhs raised between 12th Aug. and 9th Oct. 1902.	No. 8099 6-12-97.	Nos. 4960 5-9-98 and 2320 3-6-99.
16	The Loan for Sewerage, Roads and other Sanitary Works (Rs. 19,25,000).	18th and 19th July 1899 and September 1900.	No. 628 18-4-98.	Nos. 4960 5-9-98. and 2640 16-6-99.
17	The Loan for certain Sewerage and Water Works (Rs. 24,75,000).	6 lakhs raised between 15th June and 1st July 1901, 11 lakhs raised between 23rd Aug. and 31st October 1901, 4 lakhs raised between 19th Aug. and 28th Oct. 1902, and 3¾ lakhs raised on 9th Sep. 1903.	No 1956 14-5-1900	No. 3427 15-6-1901.
18	The Loan for certain Water Works (Rs. 12,75,000).	1st September 1904	No. 244 23-4-03.	No. 4416 22-8-04.
19	The 2nd 24¾ Lakhs Loan for certain Sewerage Works.	Rs. 12 lakhs raised on 3rd September 1905 and Rs. 12¾ lakhs on 9th September 1907.		No. 4004 21-7-05 and Telegram 31-8-05. No. 4792 5-8-07 and Telegram 31-7-07.
20	The 13½ Lakhs Loan for the Construction of quarters for Halalkhores and Biggaries.	7th August 1908	No. 2204 of 29-6-08	No. 3447 9-5-08.
21	The 15 Lakhs Loan for Street Improvements.	29th July 1909	No. 7558 of 20-3-07	No. 5178 17-8-08.
22	The 30 Lakhs Loan for the acquisition of sites for the construction of various over-bridges in the City.	29th July 1909, and 10th August 1910	No. 181 of 8-4-09	No. 3862 28-7-09.
23	1st Instalment of 30 Lakhs of the 55 Lakhs Loan for Drainage, Sanitary, Water and other Miscellaneous works.	7th and 10th August and 1st November 1911.	No. 6426 of 31-1-10	No. 4680 1-8-11 and Telegram No. 4686-A. 28-7-11
	3½ per cent. Loan.			
24	The Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (Rs. 15,75,000, of which the 1st instalment of Rs. 10 lakhs was raised at 3½ per cent.)	1st December 1896	(*Vide* Reso. Nos. against Loan No. 13.)	(*Vide* Reso. Nos. against Loan No. 13) ... ...

W. E. WAITE,
Chief Accountant.

No. 8.

Loans, the amounts payable for the year 1911-1912, the amounts paid by the Bank Balances outstanding on 31st March 1912.

Date when Loan is repayable.	Interest outstanding on 1st April 1911.	Interest payable in 1911-1912.	Total Interest due.	Less Interest paid by the Bank of Bombay.	Outstanding Balance on 31st March 1912.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1st January 1919	16,150 0 0	50,750 0 0	66,900 0 0	51,825 0 0	15,075 0 0
1st July 1925	20,775 0 0	1,86,950 0 0	2,07,725 0 0	1,84,962 8 0	22,762 8 0
1st February 1928	6,025 0 0	35,000 0 0	41,025 0 0	31,637 8 0	9,387 8 0
Between 1st January 1828 and 1st January 1953.	30,012 8 0	7,35,000 0 0	7,65,012 8 0	7,38,337 8 0	26,675 0 0
1st January 1928	3,837 8 0	60,000 0 0	63,837 8 0	59,425 0 0	4,412 8 0
1st October 1928	462 8 0	50,425 0 0	50,887 8 0	49,562 8 0	1,325 0 0
1st July 1929	25 0 0	12,400 0 0	12,425 0 0	12,387 8 0	37 8 0
1st July 1930	12,100 0 0	1,75,000 0 0	1,87,100 0 0	1,73,812 8 0	13,287 8 0
1st July 1931	.....	40,000 0 0	40,000 0 0	40,000 0 0	.....
1st January 1923	3,840 0 0	18,000 0 0	21,840 0 0	20,410 0 0	1,430 0 0
1st July 1923	16,050 0 0	1,68,000 0 0	1,84,050 0 0	1,65,200 0 0	18,850 0 0
1st July 1935	6,860 0 0	93,000 0 0	99,860 0 0	91,150 0 0	8,710 0 0
1st July 1936	1,010 0 0	23,000 0 0	24,010 0 0	23,550 0 0	460 0 0
1st November 1939	630 0 0	1,00,000 0 0	1,00,630 0 0	99,850 0 0	780 0 0
1st May 1920	6,320 0 0	80,000 0 0	86,320 0 0	79,300 0 0	7,020 0 0
1st June 1940	6,550 0 0	77,000 0 0	83,550 0 0	79,240 0 0	4,310 0 0
1st June 1943	4,120 0 0	99,000 0 0	1,03,120 0 0	98,330 0 0	4,790 0 0
1st August 1934	1,910 0 0	51,000 0 0	52,910 0 0	50,820 0 0	2,090 0 0
1st August 1946	1,160 0 0	99,000 0 0	1,00,160 0 0	98,260 0 0	1,900 0 0
1st May 1938	3,034 6 3	54,000 0 0	57,034 6 3	53,940 0 0	3,094 6 3
1st May 1949	1,772 10 10	60,000 0 0	61,772 10 10	59,120 15 1	2,651 11 9
1st May 1949	4,035 9 3	1,20,000 0 0	1,24,035 9 3	1,19,861 0 2 (a) 0 0 1	4,174 9 1
1st June 1942	.....	28,545 15 6	28,545 15 6	28,545 15 6	.....
1st July 1936	385 0 0	35,000 0 0	35,385 0 0	34,860 0 0	525 0 0
Total Rs. ...	1,47,065 2 4	24,51,070 15 6	25,98,136 1 10	24,44,387 14 9	1,53,748 3 1

(a) Inadvertently paid in excess by the Bank on account of Interest for broken periods on small holdings.

P. R. CADELL,
Municipal Commissioner.

Appendix No. 9.

STATEMENT showing Works executed out of Loan Funds during 1911-1912.

Particulars.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—BUILDINGS AND SANITARY STRUCTURES—			
13½ LAKHS LOAN—			
Construction of chawls, &c., for Halalkhores at Valpakhadi (Mazagon)	53,918 8 7		
Construction of Sankli Tank Bullock Hospital with residential quarters for Inspector and Shalotri	80,231 10 1		
Construction of chawls for Bigaries at Arthur Road	45 12 0		
Construction of stables and chawls for B Ward at Jail Road	44 4 0		
Construction of a stable for E Ward, West, at Kamatipura	79 12 0		
Construction of chawls for Halalkhores at Tardeo Flats	841 15 3		
		1,35,161 13 11	
Rs. 55 LAKHS LOAN—			
1st Instalment of Rs. 30 Lakhs raised in 1911-12.			
2nd Instalment of Rs. 25 Lakhs to be raised in 1913-14.			
Construction of additional quarters for Fire Brigade Staff at Byculla Fire Brigade Station	30,995 8 8		
Construction of an Engine House and Foreman's quarters of the Sankli Tank Fire Brigade Station	26,552 13 0		
Construction of Shops on the Western and Southern sites at the Arthur Crawford Markets, Hornby Road	4,822 7 10		
Building a new office in Sankli Street for the use of the Assessment Department, E Ward Office, and constructing a Ward Office, Chowkidars' Quarters and Store Room for the Streets and Buildings Branch, E Ward, in Sankli Street	22,871 7 10		
Building a new office at Dadar for the use of the Assessment Department, F and G Ward Offices, and converting the existing Ward Office into a godown and providing latrines for the workmen	10,079 4 5		
Constructing additional rooms and adding a storey over several Fire Brigade Stations to provide accommodations for additional staff	12,437 5 7		
Renewing the two blocks of the Butcher's Chawl at the Bandora Slaughter Houses	22,020 5 4		
Construction of A Ward Offices for the different branches of the Engineer's Department at Mint Road	19,984 3 6		
Acquisition of land and properties at Jail Road, North, for the construction of stables and chawls for the Health Department	1,92,581 0 0		
Purchases of about 4,030 square yards of land at the junction of Bapty Road and Falkland Road belonging to the tramway authorities	1,21,505 0 0		
Making alterations in the three permanent Wards of the Arthur Road Hospital, and in gas and other lighting arrangements in the compound, Wards, &c., in the Arthur Road Hospital	21,238 7 6		
Construction of a Fire Brigade Station at Elphinstone Bridge Road	50,329 7 1		
Construction of two additional chawls for biggaries at Chembur	28 11 10		
		5,35,446 2 7	
SAVINGS ON DIFFERENT LOANS—			
Providing latrines and urinals at different places	1,318 13 9		
Constructing Office quarters and Store Room for the S. and B. Branch in G Ward at Delisle Road on the site of Foras Tank	125 13 4		
Construction of 11 urinals on Port Trust ground near the Docks	6,502 13 2		
Market at Kamatipura	13,455 14 7		
		21,403 6 10	
Carried forward Rs.		6,92,011 7 4	

Appendix No. 9—*continued.*

Particulars.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...Rs		6,92,011 7 4	
A.—BUILDINGS AND SANITARY STRUCTURES—*concld.*			
ADVANCES FROM SURPLUS BALANCES—			
Construction of shops on the West and South sites of the Arthur Crawford Markets	*Cr.* 4,822 7 10		
Construction of an Engine House and Foreman's quarters at the Sankli Tank Fire Brigade Station	*Cr.* 26,552 13 0		
Building a new office in the Sankli Street for the use of the Assessment Department, E Ward Office, and constructing a Ward Office, Chowkidar's Quarters and Store Room for the Streets and Buildings Branch, E Ward, in Sankli Street	*Cr.* 22,871 7 10		
Acquisition of land and properties at Jail Road, North, for the construction of stables and chawls for the Health Department	*Cr.* 1,92,581 0 0		
Construction of 25 bathing places in the City...	10,961 9 6		
Building a new office for the use of F and G Ward Offices at Dadar and converting the existing Ward Office into a godown and providing latrines for the workmen	*Cr.* 8,449 12 7		
Cost of preparing plans and estimates of the proposed new Municipal Workshops at Foras Road	*Cr.* 6,695 14 8		
Construction of additional quarters for Fire Brigade Staff at Byculla Fire Brigade Station	*Cr.* 30,995 8 8		
Renewing the two blocks of the Butcher's chawl at the Bandora Slaughter Houses	*Cr.* 22,020 5 4		
Making alterations in the three permanent Wards of the Arthur Road Hospital, and in gas and other lighting arrangement in the compound, wards, &c., in the Arthur Road Hospital	*Cr.* 16,230 10 7		
Purchase of about 4,030 square yards of land at the Junction of Bapti Road and Falkland Road belonging to the Tramway Authorities	*Cr.* 1,22,110 0 0		
Construction of a Fire Brigade Station at Elphinstone Bridge Road	1,230 15 4		
Construction of Buildings for Primary Schools	76,323 0 6		
Construction of A Ward offices for the different branches of the Engineer's Department at Mint Road	*Cr.* 19,112 0 6		
Constructing additional rooms and adding a storey over several Fire Brigade Stations to provide accommodation for additional staff	*Cr.* 12,437 5 7		
Construction of 11 urinals on Port Trust ground near the Docks	*Cr.* 6,502 13 2	*Cr.* 4,02,866 10 5	
Total A Buildings and Sanitary Structures			2,89,144 12 11
B.—ROADS AND OVERBRIDGES—			
15¾ LAKHS LOAN—			
Wari Bunder Road	49 6 5	49 6 5	
30 LAKHS LOAN—			
Overbridge at Currey Road, G. I. P. Railway	1,57,007 4 11		
Do. at Arthur Road do.	7,869 13 7		
Do. at Clerk Road do.	*Cr.* 31,299 14 5		
Do. at Clerk Road, B. B. & C. I. Railway... ...	26,409 15 9		
Do. at Elphinstone Road, B. B. & G. I. P. Railways.	17,815 6 11		
Establishment charges for various Overbridges	6,911 13 3	1,84,714 8 0	
B—Roads and Overbridges—Carried over ... ... Rs.		1,84,763 14 5	
Carried forward Rs.			2,89,144 12 11

Appendix No. 9—*continued.*

Particulars.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...Rs.			2,89,144 12 11
E.—ROADS AND OVERBRIDGES—*contd.* and brought forward ...Rs.		1,84,763 14 5	
55 LAKHS LOAN—			
Construction of a new Road through Cavel from Girgaum Road to Kalbadevi Road up to the Church of Lady of Health	1,30,301 14 0		
Widening of Cruickshank Road and Improvement of the Corner of Cruickshank and Elphinstone Roads	32,358 1 8		
		1,62,659 15 8	
Savings on Different Loans—			
Acquisition of Land—			
For New Streets—			
(1) At Dharavi—			
563 sq. yds. and 463 sq. yds.	.....		
(2) At Maruti Lane—80 sq. yds.	5,433 0 0		
(3) At Gola Lane	7,038 7 0		
(4) 242·22 sq. yds. near the Parel Station of the B. B. & C. I. Ry.	1,695 8 8		
		14,166 15 8	
ADVANCES FROM SURPLUS BALANCES—			
Acquisition of land for Street Improvements in different places	2,42,903 11 0		
At Fergusson Road—146 sq. yds...	1,022 0 0		
Acquisition of land at Cavel	*Cr.* 1,26,320 0 1		
,, ,, at Maruti Lane—90 sq. yds.	*Cr.* 5,433 0 0		
,, ,, at Gola Lane	*Cr.* 7,038 7 0		
,, ,, 242·22 sq. yds. near the Parel Station of the B. B. & C. I. Railway	*Cr.* 1,695 8 8		
Widening of Cruickshank Road and improvement of the corner of Cruickshank and Esplanade Roads ...	*Cr.* 20,087 11 1		
		83,351 0 2	
ADVANCES TO BE ADJUSTED AGAINST RECOVERIES FROM THE C. I. TRUST—			
At Piru Lane	346 4 0		
		346 4 0	
B.—Roads and Overbridges—Total Rs.			4,45,288 1 11
C.—DRAINAGE—			
24¾ LAKHS LOAN—			
Difference in the cost of the works proposed by Mr. Santo Crimp in connection with the drainage of the lower parts of the City	*Cr.* 27 15 0		
Completion of house drainage connections in different parts of the City	35,986 3 8		
		35,958 4 8	
SECOND 24¾ LAKHS LOAN—			
Construction of a new outfall at Worli Point		16 8 0	
13½ LAKHS LOAN—			
Construction of a sealed sewage main from the Elphinstone Road Ejector Station to Worli Road...		*Cr.* 51,162 14 9	
C—Drainage—Carried over Rs....		*Cr.* 15,188 2 1	
Carried over ...			7,34,432 14 10

Appendix No. 9—*continued.*

Particulars.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...			7,34,432 14 10
C—DRAINAGE—contd. and brought forward ... ... Rs.		*Cr.* 15,188 2 1	
Rs. 55 LAKHS LOAN—			
Construction of Storm-water drains in Marine Lines, from the northern end of the B. B. & C. I. Ry. Office to the Junction of 1st Marine Lines	13,177 10 10		
Providing an additional Pipe Sewer and Ejector in Fergusson Road near its junction at DeLisle Road (*North*)	70,071 10 9		
Construction of a Storm-water drain in Arthur Road from its junction with Kalachowki Road and Jacob Circle ...	65,453 14 7		
Extension of Low Level Channel No. 2 from DeLisle Road to Dadar Road	2,56,098 7 3		
Constructing a Storm-water drain in Colaba Causeway between Ormiston Street and Thomas Street	8,538 5 0		
Construction of a Storm-water drain in DeLisle Road (*North*)	48,396 3 3		
Provision of Ejectors in the Colaba Sub-District	80,241 3 8		
Construction of a Storm-water drain in DeLisle Road (*South*)	15,257 13 3		
Extending the existing Storm-water drain and constructing water gullies and water tables in Mazagon Road	4,921 11 1		
Constructing a Storm-water drain in New Purbhadevi Road..	33,746 5 0		
Constructing Storm-water drains in Khetwady Back Road ...	25,650 3 11		
Constructing a Storm-water drain in Queen's Road from Wodehouse Road Bridge to Band Stand	11,086 9 4		
Constructing a Storm-water drain in Mayo Road from Queen's Statue to Church Gate Street	9,192 11 8		
Constructing a Storm-water drain in Delisle Road, north of Arthur Road	44,502 3 0		
Constructing a Storm-water drain in Mayo Road from Church Gate Street to Band Stand	21,182 3 3		
Measures for relieving the surcharging of Sewers	9,71,333 0 4		
Construction of a Storm-water drain from the junction of Reay and Connaught Roads to the Harbour near Lakri Bunder	1,53,642 7 11		
Construction of a S. W. Drain in DeLisle Road, south of Arthur Road	29,371 15 10		
Construction of a S. W. Drain in Elphinstone Road West ...	12,771 5 2		
Construction of a S. W. Drain in Ghorupdeo Road	17,354 2 3		
Construction of a S. W. Drain in Mugbhat Lane	8,021 15 6		
Construction of an office for the Drainage Staff and quarters and an office for the Head Plumber at Babula Tank and providing fencing round the Drainage Chowkey and metalling the yard	36,007 2 1		
Construction of 2 new Drainage Chowkies at Bapty Road and Churney Road	13,083 15 6		
		19,49,103 4 5	
SAVINGS ON DIFFERENT LOANS—			
Construction of Permanent Manholes over Drains	9,746 5 7		
Giving Street Connections to Storm-water drains in the City	2,704 11 4		
Laying a 7" pipe drain on the eastern boundary of the Babula Tank	1,316 11 10		
Savings on Different Loans—Carried over Rs. ...	13,767 12 9		
C—Drainage Works—Carried over Rs....		19,33,915 2 4	
Carried over Rs. ...			7,34,432 14 10

Appendix No. 9—*continued.*

Particulars	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...			7,34,432 14 10
C—DRAINAGE—contd. and Brought forward Rs.		19,33,915 2 4	
Savings contd., and Brought forward ... ... Rs.	13,767 12 9		
Laying a 6" pipe drain in the Lane behind No. 49-51, Warden Road	1,610 10 10		
Laying a 6" pipe drain in the passage leading to Khed Tank in the north of Elphinstone Road	1,027 11 8		
Laying a 9" pipe drain in Kamatipura, 9th Street	495 3 0		
Laying a 6" pipe drain in the passage to the East of Cumballa Hotel Lane	834 6 2		
Laying a 6" pipe drain at Nepean Road	978 13 7		
Colaba Sewerage Works	44,836 14 11		
Sewerage of the Malabar Hill District	7,394 12 2		
Laying a 4" air main in Victoria Extension Road from the junction of Victoria Road and Mount Road to Ejector Station No. 2 Mazagon in place of the existing 2½" C. I. Main	4,320 0 2		
Construction of a sealed sewage main from the Elphinstone Road Ejector Station to Worli Road	68,326 11 1		
		1,43,592 15 11	
ADVANCES FROM SURPLUS BALANCES—			
Extension of Low Level Channel No. 2 from DeLisle Road to Dadar Road	*Cr.* 2,19,315 11 6		
Providing an additional pipe sewer and ejector in Fergusson Road near its junction at DeLisle Road, North	*Cr.* 70,071 10 9		
Construction of a S.-W. Drain from the junction of Reay and Connaught Roads to the Harbour near Lakri Bunder...	2,00,800 6 0		
Construction of a Storm-water drain in DeLisle Road, south of Arthur Road	*Cr.* 25,371 15 10		
Construction of a S.-W. Drain in Elphinstone Road, West...	*Cr.* 12,771 5 2		
Construction of a S.-W. Drain in Ghorupdeo Road	*Cr.* 17,354 2 3		
Construction of a S.-W. Drain in Mughbhat Lane	*Cr.* 8,021 15 6		
Laying a 4" air main in Victoria Extension Road from the junction of Victoria Road and Mount Road to Ejector Street No. 2, Mazagon, in place of the existing 2½" C. I. Main	*Cr.* 4,320 0 2		
Colaba Sewerage Works	*Cr.* 44,836 14 11		
Permanent Manholes over drains...	*Cr.* 9,292 12 1		
Measures for relieving the surcharging of sewers	*Cr.* 5,13,136 8 0		
Construction of Drainage Staff Office and Quarters and an office for the Head Plumber at Babula Tank and providing fencing round the Drainage Chowkey and metalling the yard	*Cr.* 34,816 7 9		
Constructing a Storm-water drain in Queen's Road from Wodehouse Road Bridge to Band Stand	*Cr.* 11,086 9 4		
Sewerage of Malabar Hill District	7,388 7 10		
Provision of Ejectors in the Colaba Sub-District	*Cr.* 72,451 2 6		
Construction of storm-water drains in Marine Lines, from the Northern end of the B B. & C. I. Ry. Office to the junction of 1st Marine Lines	*Cr.* 13,177 10 10		
Construction of a S.-W. Drain in Arthur Road from its junction with Kalachowki Road and Jacob Circle	*Cr.* 65,453 14		
Construction of a S.-W. Drain in Colaba Causeway between Ormiston Street and Thomas Street	*Cr.* 8,538 5 0		
Construction of a S.-W. Drain in DeLisle Road (North.) ...	*Cr.* 48,396 3 3		
Construction of a S.-W. Drain in DeLisle Road (South) ...	*Cr.* 15,257 13 3		
Extending the existing S.-W. Drain and constructing Water Gullies and Water Tables in Mazagon Road	*Cr.* 4,921 11 1		
Construction of a S.-W. Drain in New Parbhadevi Road ...	*Cr.* 33,746 5 0		
Construction of a S.-W. Drain in Khetwady Back Road ...	*Cr.* 25,650 3 11		
Construction of a S.-W. Drain in Mayo Road from Queen's Statue to Church Gate Street...	*Cr.* 9,192 11 8		
Construction of a S.-W. Drain in DeLisle Road, North of Arthur Road	*Cr.* 44,502 3 0		
Construction of a S.-W. Drain in Mayo Road from Church Gate Street to Band-Stand	*Cr.* 21,182 3 3		
Construction of 2 New Drainage Chowkies at Bapty Road and Churney Road	*Cr.* 13,083 15 6		
		Cr. 11,56,538 9 11	
Grand Total—C-Drainage ...			9,20,969 8 4
Carried over ...			16,55,402 7 [illegible]

Appendix No. 9—*continued.*

Particulars.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...			16,55,402 7 2
D—WATER WORKS—			
25 LAKHS LOAN—			
9″ Main from Ghorupdeo Road to Jackeria Bunder Road, and 6″ Main from thence to Sewri Cemetery Road ...	2,111 8 11		
		2,111 8 11	
13½ LAKHS LOAN—			
Renewal of water mains in the Girgaum District for improvement of the water supply	.....	*Cr.* 12,315 14 2	
24¾ LAKHS LOAN—			
Distribution mains in Tardeo and Gamdevi Roads	511 8 0		
9″ and 10″ Pipes from Grant Road to Kamatipura	6,111 3 11		
		6,622 11 11	
12¾ LAKHS LOAN—			
9″ and 4″ mains in the new Roads in the Agripada District...	*Cr.* 10 10 0		
Replacement of the Vehar main for the whole distance between Vehar and Coorla, north of Coorla	1,29,993 9 8		
		1,29,982 15 8	
55 LAKHS LOAN—			
Main from 48″ Tansa Main at Chinchpokli to Grant Road and 32″ main from Grant Road to Malabar Hill	47,629 7 1		
32″ Outlet Mains from Malabar Hill to Chowpati	16,622 14 6		
Laying new water mains and fixing hydrants in the roads "City Improvement Scheme No. IV."	30,743 12 5		
Laying water mains in B Ward	71,566 11 8		
Laying water mains on the Colaba Reclamation	36,269 2 0		
Laying water mains in A Ward	.....		
Construction of quarters for Water Works Office Staff, on the Babula Tank Site	.....		
Laying a 9″ main along Mount Road from its junction with Love Lane to the junction at Victoria Road and a 6″ main along Ghorupdeo Road to be joined to the 6″ main already laid in Albert Road	15,972 15 0		
Laying an additional 9″ main on the 24″ main somewhat north of Government House Parel, to join the 4″ main in Lady Jamsetji Road	12,973 2 0		
		2,31,778 0 8	
WORKS EXECUTED OUT OF SAVING ON LOANS—			
Renewal of Water Mains in the Girgaum District for improvement of the Water Supply	41,748 9 10		
Replacing 32″ Vehar pipes for 1½ miles by 48″ C. I. Main North of Kurla	17,719 15 11		
Constructing office quarters and Store Rooms for the W. W., G Ward, at DeLisle Road on the site of Foras Tank ...	125 13 3		
Extending the 9″ main laid along the bank of the Drainage channel across the proposed Foras Road from the Century Mill to join the existing 9″ main at Worli	4,092 4 11		
		63,686 11 11	
ADVANCES FROM SURPLUS BALANCES—			
Laying a 6″ siding main in Kavasji Patel Tank Road... ...	1,648 12 1		
Fixing Deacon's Meters on the distributing mains	4,139 3 8		
Removing and relaying the 32″ Vehar main South of Coorla (pending realization by the sale of old pipes and lead) ...	19,239 11 3		
Laying water mains on the Colaba Reclamation	*Cr.* 36,269 2 0		
Laying a 9″ main along Mount Road from its junction with Love Lane to the junction at Victoria Road and a 6″ main along Ghorupdeo Road to be joined to the 6″ main already laid in Albert Road	*Cr.* 15,972 15 0		
Laying new water mains and fixing hydrants in the roads (City Improvement Scheme No. IV.)	*Cr.* 30,743 12 5		
Mains from 48″ Tansa main at Chinchpokli to Grant Road and 32″ main from Grant Road to Malabar Hill	*Cr.* 47,629 7 1		
Laying water mains in A Ward	49,304 7 1		
Do. do. B „	*Cr.* 32,789 8 9		
Laying an additional main 9″ in diameter running due west from a point on the 24″ main somewhat north of Government House, Parel, to join the 4″ main in Lady Jamsetji Road	*Cr.* 12,718 11 7		
32″ Outlet main from Malabar Hill to Chowpati	*Cr.* 15,685 6 6		
		Cr. 1,17,476 13 3	
Total for D	...		(a) 3,04,389 0 8
Grand Total for A, B, C and D Carried over Rs.	...		19,59,791 7 10

(a) This is exclusive of Rs. 41,682 met out of Worn-out Water Mains Renewal Fund.

Appendix No. 9—*concluded.*

Particulars.	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward Rs. ...			19,59,791 7 10
E—CEMETERIES—			
19¼ LAKHS LOAN—			
Purchase of two sites of land required for burning and burial grounds at Mahim, including cost of enclosure walls ...	15 0 0	15 0 0	
55 LAKHS LOAN—			
Providing a Burial Ground at Haines Road for the Portuguese Community	26,949 12 7		
Providing a Burial Ground for Mahomedans in F and G Wards at Antop Hill, Matunga	25,309 0 0		
Extension of the Sewri Cemetery	11,858 13 3		
		64,117 9 10	
ADVANCES FROM SURPLUS BALANCES—			
Extension of the Sewri Cemetery	*Cr.* 4,317 1 5		
Providing a Burial Ground at Haines Road for the Portuguese Community	*Cr.* 25,439 13 0		
Providing a Burial Ground for Mahomedans in G Ward at Antop Hill, Matunga	*Cr.* 24,987 4 0		
		Cr. 54,744 2 5	
Total for E Rs. ...			9,388 7 5
F—DISPOSAL OF TOWN SWEEPINGS—			
19¼ LAKHS LOAN—			
Extra cost of the Scheme for the Disposal of Town Sweepings at Deonar			248 12 0
G—MISCELLANEOUS—			
55 LAKHS LOAN—			
Filling in the Babula Tank with Debris		56,894 14 10	
SAVINGS ON DIFFERENT LOANS—			
Filling in the portion of the Old Water-course situated at the north corner of the Foras Tank and west of Purbhadevi Night-soil Depôt in DeLisle Road		3,506 5 7	
ADVANCES FROM SURPLUS BALANCES—			
Filling in the Babula Tank with Debris	*Cr.* 56,141 15 3		
Filling in the portion of the Old Water-course situated at the north corner of the Foras Tank and west of Purbhadevi Night-soil Depôt in DeLisle Road	*Cr.* 3,506 5 7		
		Cr. 59,648 4 10	
Total for G Rs. ...			752 15 7
Loan Works, Grand Total Rs. ...			19,70,181 10 10

W. E. WAITE,
Chief Accountant.

P. R. CADELL,
Municipal Commissioner.

Appendix No. 9-A.

STATEMENT of Expenditure on Plague Operations for 1911-1912 contrasted with the figures for 1910-1911.

Particulars.	Actual Expenditure for 1910-11.	Actual Expenditure for 1911-12.
	Rs. a. p.	Rs. a. p.
Free Medical Relief—		
Hospitals—		
I. Maratha Hospital	30,394 4 3	28,762 8 11
Maintenance of Camps	13,083 15 9	8,818 3 6
Net Municipal Contribution to Private Health Camps, Dispensaries, &c. ...	11,528 8 2	4,604 6 10
Cutting off service pipes	402 13 8	65 14 5
Fees for notification of plague cases	461 0 0	475 0 0
General supervision	21,084 7 11	16,549 0 9
Firewood for cremation of dead bodies	91 12 4	461 12 0
Disinfection	54,967 12 1	38,807 4 6
Registration	10,476 10 7	9,185 13 0
Rat destruction	41,689 6 1	39,362 1 11
Inoculation	21 11 4	1,038 3 6
Discretional relief	328 11 6	600 5 6
Plague allowance to persons removed from infected areas to healthy localities	95 0 0	.....
Local allowance	2,566 1 10	1,837 15 5
Overcrowding Inspectors	770 0 0	840 0 0
Providing teakwood ceiling to 3 permanent wards in Maratha Hospital ...	.....	3,107 7 4
Laying on gas connection in the wards of the Maratha Hospital	.....	2,204 2 6
	1,87,962 3 6	1,56,720 4 1
Less—Miscellaneous Receipts on account of ground rent, &c.	—727 13 7	—817 4 1
Total Rs. ...	1,87,234 5 11	1,55,903 0 0

W. E. WAITE,
Chief Accountant.

P. R. CADELL,
Municipal Commissioner.

Appendix

STATEMENT showing the Liabilities and Assets

Liabilities.		Amount.	Total.	Grand Total.
I.—Debt.		Rs.	Rs.	Rs. a. p.
Due to Government—				
Vehar Debt				22,89,246 12 9
Due to the Public—				
	Original.	Repaid.	Balance.	
5 per cent. Loans	Rs.			
Drainage Loan of 1878	26,94,000	17,68,000	9,26,000	
Sanitary Works Loan of 1885-86	44,00,000	6,61,000	37,39,000	
Sanitary Works Loan of 1888	7,00,000	.....	7,00,000	
12 Lakhs Drainage and Water Works Loan	12,00,000	.....	12,00,000	
Rs. 10,08,500 Miscellaneous Works Loan	10,08,500	.....	10,08,500	
Rs. 2,48,000 Agripada House Sullage Water Connection Loan ...	2,48,000	.....	2,48,000	
35 Lakhs Various Sanitary Works Loan	35,00,000	.....	35,00,000	
147 Lakhs Tansa Water Works Loans	1,47,00,000	.....	1,47,00,000	
8 Lakhs Municipal Office Building Loan	8,00,000	.....	8,00,000	
Total 5 per cent. Loans ...	2,92,50,500	24,29,000	2,68,21,500	
4 per cent. Loans.				
4½ Lakhs Loan for Fire Brigade Quarters and Stations	4,50,000	.....	4,50,000	
42 Lakhs Loan for Repayment of Balance of Government Consolidated Loan	42,00,000	.....	42,00,000	
23½ Lakhs Loan for the construction of Drainage, Water Works and other Works	23,25,000	.....	23,25,000	
15¾ Lakhs Loan for the construction of Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works (2nd Instalment)	5,75,000	.....	5,75,000	
25 Lakhs Loan for Sewerage, Water and other Sanitary Works ...	25,00,000	.....	25,00,000	
19½ Lakhs Loan for Sewerage, Roads and other Sanitary Works ...	19,25,000	.....	19,25,000	
20 Lakhs Loan for Plague Expenses	20,00,000	.....	20,00,000	
24¾ Lakhs Loan for Sewerage and Water Works	24,75,000	.....	24,75,000	
12¾ Lakhs Loan for certain Water Works...	12,75,000	.....	12,75,000	
Second 24¾ Lakhs Loan for certain Sewerage Works	24,75,000	.....	24,75,000	
13½ Lakhs Loan for the construction of Quarters for Halalkhores and Beggaries	13,50,000	.....	13,50,000	
15 Lakhs Loan for Street Improvements...	15,00,000	.....	15,00,000	
30 Lakhs Loan for the construction of Overbridges in the City ...	30,00,000	.....	30,00,000	
55 Lakhs Loan for Miscellaneous Works (1st Instalment)	30,00,000	.....	30,00,000	
Total 4 per cent. Loans ...	2,90,50,000	.....	2,90,50,000	
Debt due to the Public—Carried over ... Rs. ...	5,83,00,500	24,29,000	5,58,71,500	
Do. Govt. do.	.....	.....	.....	22,89,246 12 9

No. 10.

of the Bombay Municipality at 31st March 1912.

Assets.	Face value.	Actual cost.	Deposit—Current account & fixed deposits.	Amount.	Total.	Grand Total.
				Rs. a. p.	Rs. a. p.	Rs. a. p.
I. Cash Balance at 31st March 1912 in the Office and Bank Treasuries—						3,70,273 4 0
II. Advances Recoverable.—						
a. Cash advanced to Municipal Officers					46,955 12 5	
b. Inter-departmental Charges—						
Workshops (Private and Departmental Works)				11,263 2 1		
Engineer's Department (Private Works)				21,385 13 2		
Engineer's Department (Departmental Works)—				6,746 2 3		
					39,395 1 6	
c. Advances to Contractors					515 8 8	
d. Miscellaneous					45,737 1 10	
e. Advances to the Chief Auditor and Accountant, G. I. P. Ry.					35,367 0 0	
f. New Works to be subsequently provided for under a new loan to be raised					2,94,329 9 9	
						4,62,300 2 2
III. Investments.—						
***a.* Surplus Funds Deposits—Paper.**						
4 per cent. Port Trust Bonds	3,55,000 0 0	3,62,179 6 0				
4 per cent. Municipal Debentures	39,000 0 0	38,877 8 0				
4 per cent. Bombay Improvement Trust Debentures	2,70,000 0 0	2,69,075 0 0				
3½ per cent. Government Paper	2,33,800 0 0	2,24,946 15 0				
3 per cent. Government Paper	1,11,100 0 0	96,101 8 0				
Total	10,08,900 0 0	9,91,180 5 0	28,59,892 13 2	38,51,073 2 2	38,51,073 2 2	
***b.* Loan Funds.—**						
4 per cent. Municipal Debentures	2,67,000 0 0	2,66,377 8 0				
4 per cent. Bombay Improvement Trust Debentures.	10,000 0 0	10,012 8 0				
3½ per cent. Government Paper	18,38,500 0 0	17,73,490 10 0				
Total Loan Funds	21,15,500 0 0	20,49,880 10 0	16,08,513 7 10	36,58,394 1 10	(*a*) 36,58,394 1 10	
***c.* Sinking Funds—**			Cash Deposits and Current Accounts.			
5 per cent. Municipal Loans —						
5 per cent. Municipal Debentures	34,66,000 0 0	34,66,000 0 0				
4 per cent. Municipal Debentures	5,52,500 0 0	5,52,500 0 0				
4 per cent. Bombay Improvement Trust Debentures	5,97,500 0 0	5,97,500 0 0				
3½ per cent. Government Paper	12,57,000 0 0	12,57,000 0 0				
Total	58,73,000 0 0	58,73,000 0 0	24 7 2	58,73,024 7 2		
4 per cent. Municipal Loans—(3½ per cent. Basis).—						
4 per cent. Municipal Debentures	15,95,000 0 0	15,94,816 6 9				
4 per cent. Bombay Improvement Trust Debentures	22,36,500 0 0	22,36,551 11 3				
3½ per cent. Government Paper	12,12,300 0 0	12,12,300 0 0				
Total	50,43,800 0 0	50,43,668 2 0	134 10 1	50,43,802 12 1		
4 per cent. Municipal Loans—(3 per cent. Basis.)—						
3 per cent. Government Paper	3,88,900 0 0	3,88,900 0 0				
Total	3,88,900 0 0	3,88,900 0 0	15 0 0	3,88,915 0 0		
3½ per cent. Loans.—						
4 per cent. Municipal Debentures	21,500 0 0	21,500 0 0				
4 per cent. Bombay Improvement Trust Debentures.	30,000 0 0	30,000 0 0				
3½ per cent. Government Paper	1,81,300 0 0	1,78,501 9 0				
Total	2,32,800 0 0	2,30,001 9 0	394 9 0	2,30,396 2 0		
Total Sinking Funds	1,15,38,500 0 0	1,15,35,569 11 0	568 10 3	1,15,36,138 5 3	*1,15,36,138 5 3	
***d.* Special Funds.—**						
MUNICIPAL BUILDINGS FIRE INSURANCE FUND						
5 per cent. Municipal Debentures	27,000 0 0	27,000 0 0				
4 per cent. Municipal Debentures	39,500 0 0	39,092 3 0				
4 per cent. Bombay Improvement Trust Debentures	75,500 0 0	77,281 9 0				
3½ per cent. Government Paper	7,000 0 0	7,190 15 0				
Total	1,49,000 0 0	1,50,564 11 0	191 7 6	1,50,756 2 6		
Special Funds carried over Rs.	1,49,000 0 0	1,50,564 11 0	191 7 6	1,50,756 2 6		
Carried over Rupees	.....	.....	.....	.....	1,90,45,605 9 3	8,32,573 6 2

(*a*) Of this Rs. 5,96,581-0-5 belong to the Water Works Account.

* Of this Rs. 44,17,287 belong to the Water Works Account.

Appendix

LIABILITIES AND ASSETS of the Bombay

Liabilities.		Amount.	Total.	GRAND TOTAL.
		Rs.	Rs.	Rs. a. p.
Debt due to Govt. Brought forward		.....	.....	22,89,246 12 9
	Original. Rs.	Repaid.	Balance.	
Do. to the Public. Brought forward	5,83,00,500	24,29,000	5,58,71,500	
3½ % *Loan.*				
15¾ Lakhs Loan for the construction of Sewerage, Wari Bunder, &c,. Roads, Burial Grounds and certain Water Works (1st Instalment)	10,00,000	.....	10,00,000	
Total 5 %, 4 per cent. and 3½ per cent. Loans...	5,93,00,500	24,29,000	5,68,71,500	
Total Debt due to the Public Rs. ...				5,68,71,500 0 0
II.—Deposits.				
Contractors', &c., deposits in Cash...		4,38,755 8 3		
Deposits on account of works performed for private parties		14,191 1 0	4,52,946 9 3	
Contractors', &c., Government, &c., Paper Deposits (lodged with the Bank of Bombay)		2,65,700 0 0		
Contractors', &c., Government, &c., Paper Deposits (kept in Office)		40,300 0 0		
Paper Deposits from Municipal Employés and Contractors pending submission to the Bank of Bombay (kept in office)...		5,400 0 0		
Deposit on account of Mr. Kasumalli Jairazbhai Pirbhai's Fountain at the Junction of Hornby Road and Palton Road		5,000 0 0		
Deposits on account of Sir Mangaldas Nathoobhai's Clock		500 0 0	3,16,900 0 0	
Government of Bombay on account of Income Tax recovered from Establishments.		11 5 4		
Income Tax recovered from Owners of Public Land conveyances		554 9 4	565 14 8	
Miscellaneous Receipts, Stores Dept. Supervision Charges on stores sold		234 7 7		
Profit on sale of stores		2,383 3 9	2,617 11 4	
(Government of Bombay) Land Conveyance Licenses, &c.:—				
Through Chief Accountant on account of License Fees, Badges, &c.		4,090 5 0		
Government of Bombay—Expenses for sending indigent persons to the Pasteur Institute at Kasauli or Coonoor		100 0 0	4,190 5 0	
				7,77,220 8 3
III.—Purchases (Stores)			22,116 7 0	
Executive Engineer (General)			979 11 0	
Stock adjustment account			146 6 5	
				23,242 8 5
IV.—Loan Works Establishment				17,869 15 8
V.—Cheques Payable				81,656 9 8
VI.—Book value of Municipal Land at Agripada, &c., transferred to the Improvement Trust				17,15,289 5 11
VII.—Contribution from Government towards the cost of Primary School Buildings...				2,00,000 0 0
Total Liabilities ...				6,19,76,025 12 8
Balance being Assets in excess of Liabilities				2,70,90,603 10 11
Total Rs. ...				8,90,66,629 7 7

W. E. WAITE,
Chief Accountant.

No. 10—*concluded.*

Municipality at 31st March 1912.

Assets.	Nominal value.	Actual cost.	Cash deposits and Current accounts.	Amount.	Total.	Grand Total.
				Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...					1,90,45,605 9 3	8,32,573 6 2
Special Funds brought over	Rs. a. p. 1,49,000 0 0	Rs. a. p. 1,50,564 11 0	Rs. a. p. 191 7 6	1,50,756 2 6		
2. Worn-out Water Mains Renewal Fund—						
5 per cent. Municipal Debentures... ...	1,45,500 0 0	1,45,500 0 0				
4 per cent. Municipal Debentures... ...	1,61,000 0 0	1,58,791 14 0				
4 per cent. Bombay Improvement Trust Debentures...	1,89,000 0 0	1,92,290 5 0				
4 per cent. Port Trust Bonds	6,000 0 0	6,123 12 0				
3½ per cent. Government Paper	35,506 0 0	36,455 0 0				
Total ...	5,37,000 0 0	5,39,160 15 0	46 10 3	5,39,207 9 3		
3. Net Premia Fund—						
5 per cent. Municipal Debentures ...	22,000 0 0	22,000 0 0				
4 per cent. Municipal Debentures ...	38,000 0 0	38,342 8 0				
4 per cent. Port Trust Bonds	17,000 0 0	17,350 10 0				
4 per cent. Bombay Improvement Trust Debentures	66,500 0 0	67,072 13 0				
Total ...	1,43,500 0 0	1,44,765 15 0	150 3 10	(a) 1,44,916 2 10		
Total Special Funds ...	8,29,500 0 0	8,34,491 9 0	388 5 7	8,34,879 14 7	8,34,879 14 7	
			Rs. a. p.		1,98,80,485 7 10	
e. Contractors', &c., Paper Deposits				2,65,700 0 0		
f. Bank of Bombay on account of Public monuments, &c.—						
(1) Paper Deposit on account of Sir Mangaldas Nathoobhai's Clock ...			500 0 0			
(2) Maintenance of Cassumali Jairazbhai Pirbhoy's fountain at the Junction of Hornby Road and Palton Road			5,000 0 0	5,500 0 0		
					2,71,200 0 0	
						2,01,51,685 7 10
IV. Reserve Stock—						
Serviceable Stores—						
Stock				3,07,380 9 6		
Water Works Imprest				2,086 0 10		
					3,09,466 10 4	
Line suspense account					1,15,652 8 5	
					4,25,119 2 9	
Surplus and obsolete stores					35,422 14 7	
						4,60,542 1 4
Sales Stores						14,495 5 4
V. Loan Works—Construction—						
a. Buildings and Sanitary Structures				65,43,070 3 4		
b. Roads and Bridges				65,00,577 8 7		
c. Drainage (including Buildings)				1,66,18,527 11 8		
d. Water Works (Do.)				2,98,52,030 3 2		
e. Cemeteries (Burning and Burial Grounds)				6,79,843 10 5		
f. Disposal of Town Sweepings				10,79,254 9 1		
g. Miscellaneous				80,904 2 10		
					6,13,54,208 1 1	
VI. Unbooked Property					45,37,835 11 11	
VII. Other Property—					6,58,92,043 13 0	
Land transferred to Bombay Improvement Trust					17,15,289 5 11	
						6,76,07,333 2 11
			Total Rs. ...			8,90,66,629 7 7

(*a*) Of this Rs. 62,320-11-5 belong to the Water Works Account.

P. R. CADELL,
Municipal Commissioner.

Appendix No. 10-A.

SCHEDULE of New Works, &c., carried out from Loan and Special Funds up-to 31st March 1912.

	Amount.	Total.	GRAND TOTAL.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—BUILDINGS AND SANITARY STRUCTURES—			
Bandora Slaughter Houses	2,34,297 12 8		
Workshop and Store Shed	1,49,079 7 1		
Girgaum Police Court (Share of)	34,000 0 0		
Null Bazar Market	1,50,770 1 7		
Fort Market	22,066 7 11		
Arthur Crawford Market	11,39,410 11 6		
		17,29,624 8 9	
44 Lakhs Sanitary Works Loan—			
Enlargement of Dhobi Lines at Mahaluxmi	28,499 12 3		
Chawl for Gowlies working at the Agripada Milch-Cattle Stables	6,129 13 6		
Health Department Stables at Bori Bunder	43,677 13 3		
Establishment Charges for the above three Works	8,803 2 6		
		87,110 9 6	
10,08,500 Miscellaneous Works Loan—			
Market at Colaba	*a* 44,393 15 11		
Extension of Erskine Road Market	*b* 3,99,758 0 0		
Extension of the Arthur Crawford Mutton Market	42,754 2 9		
		4,86,906 2 8	
35 Lakhs Various Sanitary Works Loan—			
Health Department Bullock Stables and Quarters for Scavengers	1,23,897 4 11		
Bhuleshwar Market Extension	3,22,817 1 11		
Labourers' Quarters in connection with the Arthur Crawford Market	9,518 14 3		
Foras Road Market	40,499 14 11		
Chawl for Halalkhores in Cursetji Suklaji Street	88,460 8 2		
		5,85,193 12 2	
8 Lakhs Loan and Special Investment Fund—			
Municipal Office Buildings		*c* 14,67,386 11 3	
4½ Lakhs Fire Brigade Loan—			
Land and Buildings for Fire Brigade		4,03,320 6 1	
13½ Lakhs Various Sanitary Buildings Loan—			
Construction of Chawls, &c., for Halalkhores at Valpakhadi (Mazagaon) Rs. 1,80,900-0-0	2,25,147 14 8		
Additional land for do. do. Rs. 50,000-0-0			
Construction of semi-permanent huts for Biggaries at Arthur Road	28,379 0 10		
Construction of Chawls for Halalkhores, &c., at Cochin Street, Fort	56,554 5 6		
Construction of stables for the Health Department on the Grant Road Hospital site	47,334 4 7		
Construction of the Sankli Tank Bullock Hospital with residential quarters for Inspector and Shalotri	1,01,484 4 0		
Construction of a stable for Bullocks of Night Branch and an Office at Arthur Road	64,655 2 4		
Construction of stables and Chawls for B Ward at Jail Road north	5,130 2 8		
Construction of stabes and Chawls for D Ward Bullocks and Biggaries at Gilder Tank site	1,078 8 1		
Construction of Chawls for Biggaries at Arthur Road	45 12 0		
Construction of stable for E Ward, west of Kamatipura	1,583 12 0		
Construction of Chawls for Halalkhores at Tardeo Flats	1,309 15 3		
Construction of a stable for Bullocks at Mahim	.....		
		5,32,703 1 11	
55 Lakhs Loan—			
Construction of additional quarters for Fire Brigade Staff at Byculla Fire Brigade Station	30,995 8 8		
Construction of an Engine House and Foreman's quarters of the Sankli Tank Fire Brigade Station	26,552 13 0		
Construction of Shops on the Western and Southern sites at the Arthur Crawford Markets, Hornby Road	4,822 7 10		
55 Lakhs Loans, carried over ... Rs.	62,370 13 6		
A—Buildings and Sanitary structures carried over Rs.		52,92,245 4 4	

(*a*) Exclusive of Rs. 21,940 paid out of the Premia received on the Loan, and Rs. 28,060 paid out of Savings on different Loans.

(*b*) Exclusive of Rs. 31,903-11-11 paid out of the Premia received on the Loan.

(*c*) Inclusive of Rs. 7,34,326-8-3 paid out of the Invested Fund.

Appendix No. 10-A—*continued.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—Buildings and Sanitary Structures—*contd.*		52,92,245 4 4	
55 Lakhs Loan—*contd.* and brought forward ... ... Rs.	62,370 13 6		
Building a new office in Sankli Street for the use of the Assessment Department, E Ward Office, and constructing a Ward Office, Chowkidars' Quarters and Store Room for the Streets and Buildings Branch, E Ward, in Sankli Street...	22,871 7 10		
Building a new Office at Dadar for the use of the Assessment Department, F and G Ward offices and converting the existing Ward Office into a godown and providing latrines for the workmen	10,079 4 5		
Constructing additional rooms and adding a storey over several Fire Brigade Stations to provide accommodations for Additional Staff ...	12,437 5 7		
Renewing the two blocks of the Butcher's Chawl at the Bandora Slaughter Houses	22,020 5 4		
Construction of A Ward Offices for the different branches of the Engineer's Department at Mint Road	19,984 3 6		
Acquisition of land and properties at Jail Road, North, for the construction of stables and chawls for the Health Department ... 2,28,583 —31,315	1,92,581 0 0		
Purchases of about 4,030 square yards of land at the junction of Bapty Road and Falkland Road belonging to the tramway authorities... ...	1,21,505 0 0		
Construction of Buildings for Primary Schools	.....		
Making alterations in the three permanent Wards of the Arthur Road Hospital, and in gas and other lighting arrangements in the compound Wards, &c. in the Arthur Road Hospital	21,238 7 6		
Construction of a Fire Brigade Station at Elphinstone Bridge Road ...	50,329 7 1		
Construction of two additional chawls for biggaries at Chembur	28 11 10		
		5,35,446 2 7	
Executed out of Savings on different Loans—			
Providing living and other accommodation at the Gowalia Tank Road, Babula Tank, Chinchpokli and Sankli Tank Fire Brigade Stations ...	12,527 2 2		
Constructing Lascars' quarters, &c., at Gowalia Tank Fire Brigade Station.	8,983 1 10		
Latrines at Colaba	20,290 13 10		
Constructing new Quarters for an Engineer and 10 Lascars at Sankli Tank Fire Brigade Station	13,537 13 11		
Portion of Cost of Site for the Colaba Market	28,000 0 0		
Currey Road Market	15,252 5 10		
Market at Chowpati	63 0 0		
Health Department Stables in F & G Ward...	68,120 8 2		
Market at Elphinstone Road	15,242 13 8		
Construction of a Cook-room in connection with the existing Engineer's Quarters and two Nahanis in connection with the Lascars' Quarters at Sankli Tank Fire Brigade Station	1,382 10 3		
Health Department Biggaries' Chawl at Bori Bunder	50,058 0 7		
Constructing a chawl of 52 rooms at the Bandora Slaughter Houses ...	31,240 0 8		
Providing Latrines and Urinals at different places	54,578 15 0		
Providing accommodation, &c., for the General Stores	38,253 5 5		
Acquisition of land at Colaba as a Site for Quarters for Halalkhores ...	4,268 4 10		
Providing wooden racks in Block No. 2 of the Central Stores Building at Chinchpokli	2,495 5 4		
Market at Kamatipura	49,364 11 0		
Constructing office quarters and store-room for S. and B. Branch in G Ward at DeLisle Road on the site of Foras Tank	19,391 14 9		
Construction of an additional storey over the Bhuleshwar Fire Brigade Station	6,902 12 3		
Construction of 11 Urinals on Port Trust ground near the Docks ...	6,502 13 2		
		4,46,516 8 8	
Advanced from Surplus Balances—			
Construction of 25 bathing places in the City	19,744 12 3		
Construction of buildings for Primary Schools	2,44,667 10 1		
Building a new office for the use of F and G Ward Offices at Dadar and converting the existing Ward Office into a godown and providing latrines for the workmen	1,629 7 10		
Construction of A Ward Offices for the different Branches of the Engineer's Department at Mint Road	872 3 0		
Making alterations in the three permanent wards of the Arthur Road Hospital and in gas and other lighting arrangement in the Compound, Wards, &c., in the Arthur Road Hospital	717 3 3		
Construction of a Fire Brigade Station at Elphinstone Bridge Road ..	1,230 15 4		
		2,68,862 3 9	
Total for A			65,43,070 3 4
		Carried over Rs. ...	65,43,070 3 4

Appendix No. 10-A—*continued.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			65,43,070 3 4
B.—Roads and Bridges—			
Overbridges	1,97,563 0 1		
Foras Road	1,12,418 14 10		
Nowroji Hill Road	57,913 3 0		
		3,67,895 1 11	
44 *Lakhs Sanitary Works Loan—*			
Road from Bellasis Road across Old Race Course (including Establishment Charges)		1,41,500 1 2	
10,08,500 *Miscellaneous Works Loan—*			
Cross Road at Mahaluxmi Station from Clerk Road to Haines Road ...	19,594 4 8		
Road through Nowroji Hill from Elphinstone Bridge to Dongri Street ...	70,089 2 0		
		89,683 6 8	
35 *Lakhs Various Sanitary Works Loan—*			
Roads and Streets in Agripada and elsewhere	15,02,461 2 10		
New Road from Jakeria Bunder Road to Sewree Cemetery...	24,217 15 11		
		15,26,679 2 9	
23¼ *Lakhs Loan—*			
Falkland Road Bridge	15,082 9 4		
Wari Bunder Bridge	1,32,652 0 0		
		1,47,734 9 4	
15¾ *Lakhs Loan—*			
Wari Bunder Road...	2,85,885 15 0		
Victoria Road Extension	30,895 10 4		
		3,16,781 9 4	
15 *Lakhs Loan—*			
Street Improvement in different places...	15,00,000 0 0		
		15,00,000 0 0	
30 *Lakhs Loan—*			
Overbridge at Elphinstone Road, B. B. & G. I. P. Railways...	2,18,408 7 11		
Do. at Arthur Road, G. I. P. Railway...	1,96,157 14 0		
Do. at Currey Road, G. I. P. Railway	4,79,306 7 0		
Do. at Clerk Road, G. I. P. Railway	2,97,888 8 9		
Do. at Do. B. B. & C. I. Railway	26,409 15 9		
Do. at DeLisle Road	32,289 3 6		
Establishment, &c., Charges	21,268 13 2		
		12,71,729 6 1	
55 *Lakhs Loans—*			
Acquisition of Land at different places :—			
For New Streets:—			
(1) At Cavel—			
38·50 sq. yds. of land with Superstructure from Lalji Ramji ...			
38·33 138, and 26·18 sq. yds.			
166 sq. yds. from Messrs. Meghasham Vishwanath and Moreshwar Vishwanath			
Construction of a new Road through Cavel from Girgaum Road to Kalbadevi Road up to the Church of Lady of Health			
Acquisition of Land at different places in Cavel as detailed on page 135 of the Budget for 1911-12			
Cavel Total ...	1,30,301 14 0		
Widening of Cruickshank Road and improvement of the corner of Cruickshank and Elphinstone Roads	32,358 1 8		
		1,62,659 15 8	
Executed out of Savings on different Loans—			
Providing and fixing new pattern hydrants for watering and Fire Brigade purposes	50,000 0 0		
Diversion of Arthur Road over the masonry culvert	16,266 11 1		
Acquisition of land at different places as sites for new Roads	26,088 13 3		
Street Improvements in different places	2,40,000 0 0		
		3,32,355 8 4	
B.—Roads and Bridges, carried over Rs. ...		58,57,018 13 3	
		Carried over Rs. ...	65,43,070 3 4

Appendix No. 10-A—*continued.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			65,43,070 3 4
B.—Roads and Bridges, &c.—*contd.*		58,57,018 13 3	
Advanced from Surplus Balances—			
Land at Cavel Street	2,641 11 11		
Acquisition of land at Fergusson Road	1,022 0 0		
Do. do. at Hamalwadi	58,139 13 7		
Do. do. at Piru Lane	64,876 14 11		
Do. do. at Goga Street	20,920 13 5		
Do. do. at the Junction of Gun Carriage Street and Thomas Street	4,357 0 0		
Do. do. at King Lane...	13,439 8 3		
Do. do. at Nishanpada Road	610 15 3		
Do. do. at Chunam Kiln Cross Lane	541 8 0		
Do. do. at Old Nagpada Street	1,817 3 11		
Do. do. for Street Improvements in different places	3,98,887 1 0		
Widening of Cruickshank Road and improvement of the corner of Cruickshank and Esplanade Road	7,959 9 1		
		5,74,714 3 4	
Met out of the Nesbit Road Invested Fund—			
Nesbit Road Bridge (Portion of Cost)		49,844 8 0	
Met out of the Road Improvement Fund—			
Spent on Special Street Improvements		19,000 0 0	
Total for B... ...			65,00,577 8 7
C—Drainage Works—			
Fort Sewers	78,627 4 8		
Kamatipura Drain	1,91,047 8 10		
Drains in Fanaswadi and Agiary Lane	1,852 12 3		
Branch Sewers, Bellasis Road	7,108 6 1		
		2,78,635 15 10	
Surface Drainage Works executed out of the 6 Lakhs included in the Government Consolidated Loan and Rs. 8,12,000 included in the 44 Lakhs Loan—			
Widening Love Grove Sluices	1,57,326 7 7		
Culverts under the B. B. & C. I. Railway near Bellasis Road	1,791 0 8		
Khetwadi Survey	5,599 10 0		
Raising Level of Khetwadi Roads	28,355 0 1		
Raising private compounds in Khetwadi	25,336 2 1		
Three branch drains in Khetwadi and storm-water entrances ...	31,711 15 6		
Intercepting drain in Tardeo District and storm-water entrances ...	1,69,851 10 4		
Making connection between Low-level sewers and new main drains ...	2,610 8 10		
Intercepting drain from Pydhoni to Bellasis Road and Storm-water entrances	3,03,229 3 9		
Enlarging old open main drain	71,318 13 5		
Laying a new 24" main and removing old 24" Tulsi main	74,226 14 0		
Constructing storage reservoir on the Flats and raising levels of manholes and sewers	1,86,225 12 6		
Establishment for the above works	1,21,413 0 0		
Contingencies	63,627 6 11		
Cleaning the Worli Storm-water drain and widening the channels south of the Love Grove sluices	79,510 9 7		
		13,22,134 3 3	
Drainage Loan of 1878—			
Main sewers...	4,92,691 8 2		
Pipe sewers	3,00,746 13 1		
Outfall sewer	2,55,766 10 0		
Kamatipura Drainage	76,471 4 6		
Clerk Road Ovoid sewer	39,259 5 11		
Government Commission charges	5,211 15 9		
Preliminary expenses	13,429 6 5		
Departmental works	1,072 1 3		
Compensation for land	18,831 11 1		
Proportion of repairs to roads (opened for the works)	34,372 14 7		
Miscellaneous charges	22,302 15 7		
Establishment for the above works	1,45,000 0 0		
Contingencies	51,167 7 9		
Repairs to old Main Drain at Falkland Road	2,093 13 5		
		14,58,417 15 6	
C.—Drainage Works, &c., carried over Rs. ...		30,59,188 2 7	
Carried over Rs. ...			1,30,43,647 11 11

Appendix No. 10-A—*continued.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			1,30,43,647 11 11
C.—Drainage Works, &c.—*contd.*		30,59,188 2 7	
44 *Lakhs Loan*—			
House connections without privy fittings	6,32,086 1 7		
Shaft ventilators	44,947 0 6		
Closing Storm-water openings in Frere Road Sewer	17,108 9 6		
Queen's Road Intercepting sewer	1,53,969 0 0		
House connection survey	4,561 13 3		
House connections, Kamatipura Drainage	34,977 7 5		
Establishment charges	88,869 0 0		
Pipe sewer from Clare Road along south portion of Haines Road and Delisle Road	1,14,260 0 7		
Pipe sewer from Parel Workshop to Clerk Road Ovoid sewer	65,793 9 11		
Extension of Clerk Road Ovoid sewer to Parel Road	35,569 8 0		
Ovoid sewer across the Old Race-course	59,746 13 2		
Ovoid sewer from the Crawford Market down Hornby Road to Bazar Gate and thence to the Mint	89,401 11 9		
Establishment	36,309 0 0		
		13,77,593 11 8	
7 *Lakhs Sanitary Works Loan*—			
Adjustment of the extra expenditure incurred on the Queen's Road intercepting sewer	9,633 10 8		
Fort Drainage	3,68,422 5 9		
Establishment charges	39,419 0 0		
New Works at Love Grove Pumping Station...	34,645 9 6		
Construction of a side drain along Wari Bunder Road	4,934 0 1		
Construction of a pipe sewer in certain lanes in Khetwadi	5,282 6 0		
		4,62,337 0 0	
12 *Lakhs Loan*—			
Queen's Road pipe sewer including contingencies	6,09,998 4 2		
Queen's Road house connections	2,05,306 0 9		
Establishment and contingencies	86,132 14 3		
		9,01,437 3 2	
10,08,500 *Miscellaneous Works Loan*—			
Extension of Parel Road Storm-water Drains from Bellasis Road to ⅔rds the length of Ripon Road	41,106 6 9		
9″ Pipe sewer along Bellasis Road, Foras Road and Gilder Street... ...	17,290 8 1		
		58,396 14 10	
2,48,000 *Agripada House Sullage Water-connection Loan*—			
House Sullage Water-connections at Agripada		2,33,533 12 10	
85 *Lakhs Various Sanitary Works Loan*—			
Sewer flushing arrangements		13,864 7 8	
23½ *Lakhs Loan*—			
Pumps and steam engine for the working of the Love Grove Pumping Station	4,63,345 8 6		
Sewerage of Colaba	7,56,419 0 0		
Sewerage of Umarkhadi District	3,53,786 5 9		
Storm-water drains in Moreland, Souter, Club and Gilder Streets	79,644 0 2		
Storm-water drains in different places	21,819 11 2		
Storm-water drains in Connaught and Sussex Roads	35,923 15 9		
Miscellaneous extensions and improvements of drains	33,664 6 1		
		17,44,602 15 5	
15¾ *Lakhs Loan*—			
Sewerage of the Mazagon District on gravitation system	3,06,680 0 5		
Sewerage of Malabar and Khamballa Hills on gravitation system	1,31,666 0 1		
Sewerage of Fergusson Road and Chinchpokli District	89,829 8 5		
Raising sewerage in Queen's Road sewer	1,862 0 0		
Sewerage of Old Race-course District on gravitation system	39,039 8 1		
		5,69,077 1 0	
C.—Drainage works, &c., carried over Rs. ...		84,20,031 4 9	
Carried over Rs. ...			1,30,43,647 11 11

Appendix No. 10-A—*continued.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			1,30,43,647 11 11
C.—Drainage Works, &c.—*contd.*		84,20,031 4 9	
25 *Lakhs Loan*—			
Machinery for the sewerage of Parel, the Mazagon, &c., sectional districts..	7,35,520 6 0		
Mazagon District, sectional	3,52,785 4 2		
Storm-water drain from Wellington Fountain *via* Bandstand to the Sea ...	36,778 4 2		
		11,25,083 14 4	
19¼ *Lakhs Loan*—			
Improvements in the road side drains along Bhoiwada Cross Road and new side drains along portions of Dadar Road, &c.	29,856 14 11		
Surface drainage of Kamatipura	85,440 9 2		
Storm-water drain in Tardeo Road	1,56,542 11 3		
Low-level channel from the Tardeo Flats to Worli Point	11,83,726 0 0		
		14,53,566 3 4	
24¾ *Lakhs Loan*—			
Sewerage of the Fergusson Road and Chinchpokli District on the sectional system	2,56,782 14 6		
Sewerage of the Parel District on the sectional system	4,66,272 3 7		
Completion of house drainage connections in different parts of the City ..	7,27,181 2 3		
Difference in the cost of the works proposed by Mr. Santo Crimp in connection with the drainage of the lower parts of the City	1,43,505 12 9		
		15,93,742 1 1	
Second 24¾ *Lakhs Loan*—			
(17) Catchpits on pipe sewers	26,994 14 0		
(17) Catchpits on ovoid sewers	43,165 13 4		
Sewerage of the Malabar Hill District—Sectional	6,39,948 0 0		
Construction of a new out-fall at Worli Point	2,016 8 0		
		7,12,125 3 4	
55 *Lakhs Loan*—			
Construction of Storm-water drains in Marine Lines, from the northern end of the B. B. & C. I. Ry. Office to the Junction of 1st Marine Lines	13,177 10 10		
Providing an additional Pipe Sewer and Ejector in Fergusson Road near its junction at DeLisle Road (*North*)...	70,071 10 9		
Construction of a Storm-water drain in Arthur Road from its junction with Kalachowki Road and Jacob Circle	65,453 14 7		
Extension of Low Level Channel No. 2 from DeLisle Road to Dadar Road	2,56,098 7 3		
Constructing a Storm-water drain in Colaba Causeway between Ormiston Street and Thomas Street	8,538 5 0		
Construction of a Storm-water drain in DeLisle Road (*North*)	48,396 3 3		
Provision of Ejectors in the Colaba Sub-District	80,241 3 8		
Construction of a Storm-water drain in DeLisle Road (*South*)	15,257 13 3		
Extending the existing Storm-water drain and constructing water gullies and water tables in Mazagon Road	4,921 11 1		
Constructing a Storm-water drain in New Purbhadevi Road	33,746 5 0		
Constructing Storm-water drains in Khetwady Back Road...	25,650 3 11		
Constructing a Storm-water drain in Queen's Road from Wodehouse Road Bridge to Band Stand	11,086 9 4		
Constructing a Storm-water drain in Mayo Road from Queen's Statue to Church Gate Street	9,192 11 8		
Constructing a Storm-water drain in DeLisle Road, north of Arthur Road.	44,502 3 0		
Constructing a Storm-water drain in Mayo Road from Church Gate Street to Band Stand	21,182 3 3		
Measures for relieving the Surcharging of Sewers	9,71,333 0 4		
Construction of a Storm-water drain from the junction of Reay and Connaught Roads to the Harbour near Lakri Bunder	1,53,642 7 11		
Construction of a S. W. Drain in DeLisle Road, south of Arthur Road ...	29,371 15 10		
Construction of a S. W. Drain in Elphinstone Road West	12,771 5 2		
Construction of a S. W. Drain in Ghorupdeo Road	17,354 2 3		
Construction of a S. W. Drain in Mugbhat Lane	8,021 15 6		
Construction of an office for the Drainage Staff and quarters and an office for the Head Plumber at Babula Tank and providing fencing round the Drainage Chowkey and metalling the yard	36,007 2 1		
Construction of 2 new Drainage Chowkies at Bapty Road and Churney Road	13,083 15 6		
		19,49,103 4 5	
Executed out of savings on different Loans—			
Slab drain 18" × 18" in Store Lane, Homji Street	2,557 2 6		
Pipe sewer in Currey Road	2,595 15 5		
Main sewerage of Parel	22,121 7 8		
Arching over with brick masonry the maind rain at the Arthur Road Crossing	15,655 0 4		
Executed out of savings on different Loans continued and carried over. Rs.	42,929 9 11		
C.—Drainage Works, &c., carried over Rs. ...		1,52,53,651 15 3	
		Carried over Rs. ...	1,30,43,647 11 11

Appendix No. 10-A—*continued.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			1,30,43,647 11 11
C.—Drainage Works, &c.—*contd.*		1,52,53,651 15 3	
Executed out of Savings on different Loans—contd.	42,929 9 11		
9″ pipe sewer at Lalwadi	2,087 8 2		
Laying branch pipe sewers in the village of Parel	17,527 13 11		
Ovoiding side drains to the north of Kalachowki Road	2,600 4 3		
Completing the storm-water drain from the top of Bazar Gate Street to the Salvation Army Hall, Hornby Road	14,460 2 7		
Sewerage of Parel on the gravitation system	62,081 1 5		
Storm-water drain in Cruickshank Road	17,337 6 0		
Laying a 9″ pipe for the carriage of storm-water to the Sea from the eastern half of Wodehouse Road	1,992 1 3		
Laying a 9″ pipe-line at the Parel village	878 7 3		
Storm-water drains in part of Gilder Street and Foras Road from Grant Road to Falkland Road	10,781 14 10		
Constructing a catch-pit on the Mint Road sewer opposite the European General Hospital...	4,880 10 8		
Altering and ovoiding storm-water drain in Girgaum	11,548 14 10		
Construction of a storm-water drain in Khetwadi	52,662 2 8		
Draining the storm-water from the public road round the Mahaluxmi Dhobiwada	1,156 0 3		
Ovoiding and regrading the open roadside drains in Umarkhadi Road ...	3,119 0 11		
Converting the old Engine-house at Love Grove into an office and godown and constructing a shred-lifter chamber with 4 shred-lifters	25,031 4 1		
Tidal flaps on flushing drains for ovoid sewers...	2,235 4 4		
Drainage arrangements at Tardeo Road...	2,292 0 8		
Laying a 9″ pipe sewer in Fergusson Cross Road	2,261 14 9		
Masonry drain from Girgaum Road and passing through Night-soil Depôt	21,317 6 7		
Opening out the public water-course behind Mr. Cama's property at Parel Road	3,362 6 7		
Laying a 12″ pipe from the emergent reservoir to manhole in Apollo Street	3,169 7 8		
Storm-water drains in different places	34,904 7 9		
Ovoiding and constructing masonry side drains in different places... ...	17,895 11 11		
Ovoiding and constructing masonry side drains on Carroll Road, north-side	2,711 3 3		
Ovoiding Kutcha drain in Arthur Road as far as G. I. P. Railway Crossing	4,988 15 1		
Constructing storm-water drains and ovoiding and constructing masonry side drains in different places	20,493 10 8		
Automatic flush tanks on pipe sewers	38,434 0 10		
Improving side drains, Malabar Hill	7,672 13 6		
Storm-water drains at Fergusson Road from DeLisle Road to the water-course (3,200 feet) west of the road	29,964 4 9		
Providing and constructing masonry side drain in Malabar Hill	7,346 11 0		
Providing and constructing masonry side drains (*a*) on Naigaum Cross Road on both sides from Vincent Road to Dadar and (*b*) east and west of Ghorupdeo Road	5,239 5 6		
Storm-water drain running on the west of the G. I. P. Railway Dadar Station	7,023 6 9		
Constructing quarters for workmen at Love Grove Air Compressor Station (including purchase of land and an old chawl)	21,961 1 5		
Constructing additional quarters for Lascars at Love Grove	5,477 9 6		
Cutting out rocky barriers in the channel at Love Grove	116 6 0		
Surface Drainage in Queen's Road between the level-crossing and Charni Road	2,807 15 0		
Ovoiding and regrading the side drain in Imamwada from Parel Road to Jail Road, North	2,089 3 10		
Masonry Storm-water Drain 18″ × 18″ in Apollo Street	1,888 15 9		
Open ovoid drain on the east side of DeLisle Road	1,567 14 10		
Zinc ventshafts on pipe sewers in the Fort Sewerage District	11,165 8 9		
Storm-water drain in Sankli Street	11,529 15 8		
Cost of obtaining advice from Mr. Santo Crimp, in regard to House connections, &c.	11,992 9 10		
Construction of permanent man-holes over drains	37,050 5 7		
Masonry side drains at Malabar Hill from Gowalia Tank Road to the Government House	7,805 4 2		
Tidal flaps on the ovoid sewers	11,025 14 0		
Construction of a coal shed, a coal tramway, and fence round the compound of the Love Grove Air Compressor Station	11,211 10 9		
6″ Pipe Drain in DeLisle Road	430 10 7		
6″ Pipe Drain in Banganga Cross Lane	824 15 8		
Extension of the 15″ sealed sewage main in Fergusson Road from the Culvert to Worli Road	11,466 8 10		
Laying a 6″ pipe drain in Tulsirampada in Parel Chawl Road	1,051 12 0		
Executed out of Savings on Different Loans continued and carried over Rs.	6,33,852 0 9		
C.—Drainage Works, &c., carried over Rs. ...		1,52,53,651 15 3	
Carried over Rs. ...			1,30,43,647 11 11

Appendix No. 10-A—*continued.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward			1,30,43,647 11 11
C.—Drainage Works, &c.—*contd.*		1,52,53,651 15 3	
Executed out of Savings on different Loans—contd.	6,33,852 0 9		
Laying a 6" pipe drain in the private passage known as Kalachowki Cross Lane	602 14 7		
6" Pipe Drain in the passage to the north of Parel Cross Lane	472 10 3		
Connecting certain properties in Gilder Street with the new storm-water drain constructed thereat	1,496 13 1		
Laying a 9" stoneware pipe drain in a portion of Foras Road, West of Carroll Road	1,365 13 11		
Laying a 6" pipe drain in the passage belonging to Sulleman Jusab at Belvedere Hill Road	647 8 2		
Laying a 6" pipe drain in Bapty Road	486 15 2		
Laying a 9" pipe drain at Tank Bunder, Koliwada	2,042 13 3		
Construction of a catchpit on the Queen's Road ovoid sewer in Charni Road, &c.	6,202 0 4		
Laying a drain at Mr. Tribhowandas Varjivandas' Oart at Girgaum Back Road	254 13 2		
Storm-water drain in Ripon Road from Agripada drain to Jacob Circle ...	27,086 12 11		
Storm-water drain in Clerk Road from Parel Road to Jacob Circle...	26,900 9 11		
Storm-water drain in Haines Road from Khatao Makanji's Mill to Jacob Circle	48,844 13 3		
Laying a branch 6" pipe sewer at Delisle Road	761 3 7		
Laying a 6" pipe drain at Ghorupdeo Road	404 6 3		
Laying a 9" pipe sewer along Elphinstone Road at its Junction with Parbhadevi Road	1,112 5 3		
Laying a 9" pipe drain with Inspection Chamber at the passage running through Chamarbag properties	3,938 8 10		
Giving Street connections to storm-water drains in the City	11,858 2 1		
Laying a 6" pipe drain on the Tulsi main road	1,000 9 1		
Laying a 6" pipe drain at Ghorupdeo Road, 1st Cross Lane	360 14 10		
Constructing a storm-water drain at Kalachowki Road	789 2 3		
Laying a 6" pipe drain along Chamarbag properties in Parel Road ...	1,166 0 8		
Laying a pipe sewer between Forjett Street and Tardeo Road	2,409 10 2		
Fees to Mr. Midgley Taylor on account of his report on the Ejector, &c., required for Sectional District	1,961 1 4		
Establishment for the preparation of plans and estimates for the sewerage of Mazagon, Parel and Old Race Course Districts	10,338 0 0		
Tracing the plans and sections of the Parel, Mazagon and Old Race Course Districts	658 15 0		
Fees to Messrs. Midgley Taylor and G. R. Strachan for their opinion on matters connected with the surcharging of sewers...	16,796 13 4		
Expenses incurred by Mr. James in connection with inquiries in regard to Lierner system, &c.	1,634 3 0		
Construction of a storm-water drain in Church Gate Street from its junction with Mayo Road to the main storm-water drain in Queen's Road near the Church Gate Street	4,033 9 5		
Laying a 6" pipe sewer in the passage opening to Portuguese Church Road	227 4 3		
Laying a 6" pipe drain at Madanpura	346 4 2		
Extension of the 15" sealed sewage main from the Chinchpokli Fire Brigade Station to the head manhole on Clerk Road sewer	12,408 4 9		
Constructing a storm-water drain in Colaba Causeway between Mayo Road and Thomas Street	8,973 9 11		
Preparation of certain models for improvement of main sewers, &c. ...	200 0 0		
Laying 6" pipe drain in the passage behind the New Building of Mr. Hormusji Vakil	5,226 13 4		
Laying a 6" pipe drain in the passage leading to the Hon'ble Mr. Setalvad's Bungalow	1,244 3 6		
Laying a 6" pipe drain in the Nepean Sea Road	1,243 11 7		
Laying a 9" pipe drain at Elphinstone Road	6,761 10 9		
Extending the existing 6" pipe drain in the passage off Dadar and Kumbharwada Cross Lane	33 7 10		
Laying a 6" pipe drain in the Passage at Currey Road	471 10 2		
Laying a 9" pipe drain in the passage leading to Government Gate Road, Parel	2,139 0 6		
Laying a 4" C. I. pipe drain from DeLisle Road to the boundary of the Century Mill Premises	4,816 0 10		
Providing an additional pipe sewer and Ejector in Fergusson Road near its junction at DeLisle Road (North)	8,000 0 0		
Laying a 6" pipe sewer in the passage near the Lunatic Asylum, Colaba ...	1,364 5 4		
Laying a branch drain in the passage off Mount Pleasant Road	727 10 6		
Laying a 6" pipe sewer at Banganga Tank Lane	929 8 9		
Laying a 7" pipe drain on the eastern boundary of the Babula Tank ...	1,321 9 2		
Laying a 6" pipe drain in Gowalia Tank Road	387 11 9		
Laying a 6" pipe drain at Victoria Bunder Road	367 11 6		
Laying a 9" pipe drain in Kamatipura, 9th Street	562 1 2		
Laying a 6" pipe drain in the Lane behind No. 49-51, Warden Road ...	1,610 10 10		
Executed out of the Savings on different Loans carried over ...	8,68,843 10 5		
C.—Drainage Works, &c, carried over ...		1,52,53,651 15 3	
Carried over Rs. ...			1,30,43,647 11 11

Appendix No. 10-A—*continued.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			1,80,43,647 11 11
C.—Drainage Works, &c.—*contd.*		1,52,53,651 15 3	
Savings—Brought forward	8,68,843 10 5		
Laying a 6" pipe drain in the passage leading to Khed Tank in the North of Elphinstone Road	1,027 11 3		
Laying a 6" pipe drain in the passage to the East of Cumballa Hotel Lane	834 6 2		
Laying a 6" pipe drain at Nepean Road	978 13 7		
Colaba Sewerage Work	44,836 14 11		
Sewerage of the Malabar Hill District	7,394 12 2		
Laying a 4" air main in Victoria Extension Road from the junction of Victoria Road and Mount Road to Ejector Station No. 2, Mazagaon, in place of the existing 2½" C. I. main	4,320 0 2		
Construction of a sealed sewage main from the Elphinstone Road Ejector Station to Worli Road	68,326 11 1		
		9,96,562 15 9	
Advances from Surplus Balances—			
Extension of low-level Channel No. 2 from DeLisle Road to Dadar Road.	7,629 11 9		
Measures for relieving the surcharging of sewers	7,903 1 1		
Construction of an office for the Drainage Staff and quarters and an office for the Head Plumber at Babula Tank site and providing fencing round the Drainage chowkey and metalling the yard	674 11 10		
Provision of Ejectors in the Colaba Sub-District	4,599 7 9		
Construction of a storm-water drain from the junction of Reay and Connaught Roads to the Harbour near Lakri Bunder	3,47,505 12 3		
		3,68,312 12 8	
Total for C Drainage ...			1,66,18,527 11 8
D.—Water Works—			
Vehar Lake (valne of)		45,21,943 7 9	
Tulsi Water Works	37,61,888 6 0		
Vehar Outlet Tower	2,38,111 10 0		
		40,00,000 0 0	
Drainage and Water Works Loan of 1878—			
Service Reservoir at Bhandarwada		10,16,830 13 3	
44 *Lakhs Sanitary Works Loan*—			
Tulsi gathering ground	60,000 0 0		
Malabar Hill Reservoir	4,00,000 0 0		
New hydrants, including cost of erection	20,876 7 1		
Tulsi gathering ground	34,500 0 0		
Construction of a double-storeyed chawl for the Water Works staff and quarters for the Superintendent	29,182 3 3		
Survey of new catch-water channels, &c.	7,838 4 1		
Construction of filter beds at Vehar	1,04,433 15 11		
Improvement of the water-supply of the outlying districts	6,82,065 0 8		
Raising the Tulsi dams	1,13,257 9 7		
Providing additional catch-water channels at Vehar and Tulsi	91,794 0 6		
Purchase of check meters for the prevention of waste of water	1,27,132 14 8		
Enlarging different mains	1,03,130 8 6		
Cost of new water mains from Nesbit Road to Babula Tank	15,000 0 0		
Establishment charges	80,770 0 0		
Portion of excess cost of Vehar Outlet Tower—debitable to this Loan ...	23,684 11 9		
Provision of turbine at the Malabar Hill Reservoir	2,282 0 0		
		18,95,947 12 0	
7 Lakhs Sanitary Works Loan—			
Malabar Hill Reservoir (extra cost)	1,14,039 2 6		
Increasing and improving the distribution of the water-supply and providing higher levels, Tulsi District, with filtered water	20,211 8 4		
Portion of excess cost of Vehar Outlet Tower	7,990 10 6		
		1,42,241 5 4	
12 *Lakhs Drainage and Water Works Loan*—			
18" main in Frere Road from the Bhandarwada Reservoir to Carnac Road and 12" main from Carnac Road to Mint		80,031 5 0	
10,08,500 *Miscellaneous Works Loan*—			
Concrete trench, waste weir, Vehar Lake	30,608 7 1		
Mains in 14 streets West of Frere Road and other mains in various places.	59,275 1 8		
Arthur Road connection works necessitated by the laying of the Tansa 27" main	9,542 10 5		
Deacon's meters	16,788 0 0		
		1,16,214 3 2	
Works, &c.—Carried over ...		1,17,73,208 14 6	
		Carried over Rs. ...	2,96,62,175 7 7

Appendix No. 10-A—*continued.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			2,96,62,175 7 7
D.—Water Works, &c.—*contd.*		1,17,73,208 14 6	
35 *Lakhs Various Sanitary Works Loan*—			
Providing an asphalt surface to the floor of the settling basin of the Malabar Hill Reservoir and other works in connection therewith ...	92,872 9 2		
Pawai Water Works	6,60,479 6 9		
Additional Water Mains	98,386 0 10		
Extension of Tulsi Catch-water Channel	20,836 9 1		
		8,72,574 9 10	
147 *Lakhs Tansa Loan*—			
Tansa Water Works including cost of survey		*1,46,96,383 7 0	
15¾ *Lakhs Loan*—			
Improvements of the outlet towers at Vehar and Tulsi		12,842 13 10	
25 *Lakhs Loan*—			
9″ Main from Ghorupdeo Road to Jackeria Bunder Road and 6″ Main from thence to Sewri Cemetery Road...	27,892 4 7		
New mains in Reay Road, &c.	1,042 5 0		
Main along Kalachowki Road from Parel Road to Ghorupdeo Road and along Reay Road from Kalachowki Road to Bhandarwada Reservoir ...	1,26,969 12 8		
9″ Service main connected at one end with the Bhandarwada Reservoir and at the other with the Sewri Road 12″ main and supplemented midway by a 9″ service main down Connaught Road	48,364 0 5		
		2,04,268 6 8	
23½ *Lakhs Loan*—			
Extension of water mains in various places	28,026 6 5		
Further alterations and improvements at the Malabar Hill Reservoir ...	29,971 14 8		
Covering storage basin at the Bhandarwada Reservoir and constructing filters over it	91,052 13 0		
Road from Vehar to Tulsi with a light tramway to carry pipes	471 3 6		
		1,49,522 5 7	
24¾ *Lakhs Loan*—			
9″ and 10″ pipes from Grant Road to Kamathipura	6,111 3 11		
Distribution mains in Tardeo and Gamdevi Roads	7,254 3 9		
Mains from 48″ Tansa main at Chinchpokli to Grant Road and 32″ main from Grant Road to Malabar Hill	2,10,000 0 0		
32″ outlet mains from Malabar Hill to Chowpati	30,000 0 0		
		2,53,365 7 8	
12¾ *Lakhs Water Works Loan*—			
Construction of additional filters at the Malabar Hill Reservoir	2,45,319 9 2		
Replacement of the Vehar main for the whole distance between Vehar and Coorla, North of Coorla	1,29,993 9 8		
Water mains in connection with the Improvement Trust Schemes—			
9″ and 4″ mains in the new roads in the Agripada District	43,626 12 11		
4″ main in New Street near Lohar Chawl	2,531 10 0		
Mains in the 1st Nagpada Scheme	6,731 6 1		
4″ main along Wodehouse Road	2,426 2 11		
Removing and relaying the 32″ Vehar main, south of Coorla	†2,00,000 0 0		
4″ main in Sankli Street	1,140 11 7		
4″ main in Connaught Road Estate	1,666 9 8		
		6,33,436 8 0	
55 Lakhs Loan—			
48″ Tansa main at Chinchpokli to Grant Road and 32″ main from Grant Road to Malabar Hill	47,629 7 1		
32″ Outlet mains from Malabar Hill to Chowpati	16,622 14 6		
Laying new water mains and fixing hydrants in the roads, "City Improvement Scheme No. IV."	30,743 12 5		
Laying water mains in B Ward	71,566 11 8		
Laying water mains on the Colaba Reclamation	36,269 2 0		
		.....	
55 Lakhs Loan—Carried over ...	2,02,831 15 8		
D—Water Works, &c.—Carried over ...		2,85,95,602 9 1	
		Carried over ...	2,96,62,175 7 7

* Exclusive of Rs. 2,40,000 paid out of the Premia received on the Loan

† Exclusive of Rs. 3,74,000 paid from the contribution received from the G. I. P. Railway Co.

Appendix No. 10-A —*continued.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			2,96,62,175 7 7
D.—Water Works, &c.—*contd.*...		2,85,95,602 9 1	
55 Lakhs Loan—Brought forward	2,02,831 15 8		
Laying water mains in A Ward	.....		
Construction of quarters for Water Works Office Staff on the Babula Tank Site	.....		
Laying a 9″ main along Mount Road from its junction with Love Lane to the junction at Victoria Road and a 6″ main along Ghorupdeo Road to be joined to the 6″ main already laid in Albert Road..	15,972 15 0		
Laying an additional 9″ main on the 24″ main, somewhat North of Government House, Parel, to join the 4″ main in Lady Jamsetji Road..,	12,973 2 0		
		2,31,778 0 8	
Works executed out of Savings on Loans—			
Renewal of water mains in the Girgaum District for improvement of the water supply	41,748 9 10		
15″ water main from 24″ main in Bholwada to Elphinstone Road as far as new Parbhadevi Road and thence a 9″ main to the Century Mill ...	49,452 0 2		
New mains in various places	28,803 1 1		
Covering storage basin at the Bhandarwada Reservoir and constructing filters over it	44,597 14 4		
Excess cost of Worli Road main...	21,696 4 1		
Residence of the Chief Inspector, Water Works, at Babula Tank Road, and rooms for 6 sluicemen	32,028 1 3		
24″ and 27″ mains from Malabar Hill Reservoir to Frere Fountain, Fort,,,	50,093 1 2		
Connections at Chinchpokli between Tansa and Vehar mains	7,402 1 4		
Laying water mains in Wellington Lines	4,397 9 5		
Do do. in A Ward	12,943 13 1		
Renewing 3″ main in B Ward with 4″ pipes—extra cost chargeable to Capital	4,533 3 4		
Replacing 32″ Vehar pipes for 1½ miles by 48″ C. I. pipes (North) ...	2,88,779 8 9		
9″ main in DeLisle Road	9,849 6 1		
4″ main in Khara Talao Road	2,774 11 7		
Providing the trunk water mains with Venturi water meters	23,000 0 0		
Laying water mains in B Ward	17,213 12 8		
Extending the existing 9″ main in the Agripada District along Gilder Street to join the existing 32″ main in Grant Road	11,904 13 6		
Extending the existing 9″ main in DeLisle Road to join with 15″ main in Elphinstone Road	8,983 12 0		
Travelling expenses to an Inspector and a lascar for taking survey, &c., in connection with the storage reservoir and filter beds at Ghatkoper ..	35 0 6		
Constructing office, quarters and store-rooms for W. W., G. Ward, at DeLisle Road on the site of Foras Tank	19,415 3 11		
Extending the 9″ main laid along the bank of the drainage channel across the proposed Foras Road from the Century Mill to join the existing 9″ main at Worli	4,092 4 11	6,82,744 5 0	
Advanced from Surplus Balances—			
Laying a 6″ main in New Mathew Road	4,563 7 1		
Providing the trunk water mains with Venturi water meters	1,346 5 8		
Laying water mains in A Ward	96,146 0 1		
Laying water mains in B Ward	27,841 3 7		
Laying an additional main, 9″ in diameter, running due West from a point on the 24″ main somewhat North of Government House, Parel, to join the 4″ main in Lady Jamsetji Road	121 8 0		
Two dead-ends of the 4″ main in Wari Bunder Road to be connected by a 5″ main	1,383 15 6		
Replacing 3″ main in Mughbhat Cross Lane by a 5″ main	1,455 7 0		
3″ main in Gunpowder Road to be replaced by a 5″ main and extended to join the 9″ main in Reay Road	3,286 15 10		
Replacing 3″ water main in Mazagon Road by a 5″ main and extending it to join the 4″ main in Wari Bunder Road	4,765 0 6		
Laying a 6″ Riding main in Cowasji Patel Tank Road	4,549 14 10		
Fixing Deacon's meters on the distributing mains	14,341 5 0		
Removing and relaying the 32″ Vehar main South of Coorla (pending realization by the sale of old pipes and lead)	21,391 9 3		
Replacing 3″ water main in Mahomedan Street at Ripon Road by a 5″ main	2,182 11 1		
Connecting up the dead-end of the 4″ main in Kakadwadi Lane with the main in Girgaum Back Road	675 6 3		
		1,84,050 13 8	
D.—Water Works, c -Carried over ...		2,96,95,175 12 5	
		Carried over ...	2,96,62,175 7 7

Appendix No. 10A—*contd.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			2,96,62,175 7 7
D.—Water Works, &c.—*contd.*...		2,96,95,175 12 5	
Paid out of the Worn-out Water Mains Renewal Fund—			
Laying a 9″ main along Mount Road from its junction with Love Lane to the junction at Victoria Road and a 6″ main along Ghorupdeo Road to be joined to the 6″ main already laid in Albert Road	6,446 14 1		
Laying a 6″ main in Matarpakhadi and a 12″ main along Mazagon Road from Nesbit Lane to Mount Road	5,696 15 4		
Cost of renewing 3″ main in Worli Road with 9″ pipes (chargeable to revenue)	26,517 3 9		
Replacing 3″ main in Zaoba's Oarts by a 4″ one ... ... — ...	672 7 6		
Mains in the 1st Nagpada Scheme	1,645 6 0		
Replacing the 5″ main in Janjikar Street and 3″ and 4″ main in Old Hanuman Lane by a 6″ main	4,359 1 2		
4″ main in New Street near Lohar Chawl	2,168 15 11		
Replacing 3″ main in Foras Road by a 6″ main	3,427 0 0		
Replacing the 3″ main in Chunam Kiln Road by a 5″ main	998 14 10		
Replacing a 3″ water main in Mazagon Road by 5″ main, &c.	2,133 4 1		
Laying water mains in A Ward	52,046 9 9		
Laying water mains in B Ward	27,612 13 9		
Replacing a 3″ water main in Mughbhat Cross Lane by a 5″ main ...	924 5 9		
Laying 3″ main in Gunpowder Road to be replaced by a 5″ main, &c., &c.	1,730 5 8		
6″ water main in Soparibag Road from the Junction of Parel Govt. Gate Road with Elphinstone Road	8,838 15 3		
Laying a 9″ main in Cawasji Patel Street	2,817 1 10		
Replacing 3″ main in Huzria Street by a 5″ main	1,141 9 8		
Laying 3″ and 4″ mains in Kamatipura Bazar Road by a 6″ main ...	2,447 1 6		
Replacing 3″ water main in the Mahomedan Street at Ripon Road by a 5″ main	1,266 1 4		
Replacing 3″ main in Bapu Khote Street by a 5″ main	1,136 8 0		
Replacing the 3″ pipe in Arthur Road by a 6″ one and extending it so as to join the 6″ main in Kalachowki Road	551 2 8		
Laying a 12″ main from the Tulsi Pipe line to Worli Road in place of the 6″ main in Fergusson Road	923 7 11		
Laying a 5″ water main in place of the existing 3″ main in Fanaswadi ...	1,352 1 0		
		1,56,854 6 9	
Total for D ...			2,98,52,030 3 2
E.—Cemeteries (*Burning and Burial Grounds*)—			
15¾ *Lakh Loan—*			
Burial ground for Mahomedans and Beni-Israels		2,11,652 4 5	
19¼ *Lakhs Loan—*			
Purchase of two sites of land for burning and burial grounds at Mahim and Worli, including cost of enclosure walls, &c.		47,680 4 4	
25 *Lakhs Loan—*			
Purchase of land from Mr. Ashburner for extension of burial ground for Mahomedans	1,17,046 0 6		
Purchase of land in Narielwady for future extension of burial ground for Mahomedans	1,60,577 5 10		
Extension of burial ground at the Sewri Cemetery	71,640 9 8		
		3,49,264 0 0	
55 *Lakhs Loan—*			
Providing a burial ground at Haines Road for the Portuguese Community	26,949 12 7		
Providing a burial ground for Mahomedans in F and G Wards at Antop Hill, Matunga	25,309 0 0		
Extension of the Sewri Cemetery	11,858 13 3		
		64,117 9 10	
Advances from Surplus Balances—			
Extension of the Sewri Cemetery	7,129 7 10		
		7,129 7 10	
Total for E. ...			6,79,843 10 5
		Carried over ...	6,01,94,049 5 2

Appendix No. 10-A—*concluded.*

	Amount.	Total.	Grand Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought forward ...			6,01,94,049 5 2
F.—Disposal of Town Sweepings—			
35 *Lakhs Loan*—			
Purchase of land on the Flats required for the disposal of town sweepings.		1,98,913 8 8	
23¼ *Lakhs Loan*—			
Purchase of land on the Flats for the deposit of kutchra		5,890 14 1	
25 *Lakhs Loan*—			
Disposal of town sweepings at Deonar		7,84,000 0 0	
19¼ *Lakhs Loan*—			
Extra cost of the scheme for the disposal of town sweepings at Deonar ...		51,766 0 4	
Executed out of savings on different Loans—			
20 additional wagons for the disposal of town sweepings		38,684 2 0	
Total for F ...			10,79,254 9 1
G.—Miscellaneous—			
19¼ *Lakhs Loan*—			
Purchase of land for the site of the Petit Hall and other charges in connection therewith		1,785 13 10	
55 *Lakhs Loan*—			
Filling in the Babula Tank with Debris		56,894 14 10	
Executed out of savings on different Loans—			
Filling in Matarpakhadi Tank at Mount Road...	2,607 5 8		
Filling in Gilder Tank	15,488 9 4		
Filling in the portion of the old water-course situated at the north corner of the Foras Tank and west of Purbhadevi Night-soil Depôt in DeLisle Road	3,506 5 7		
		21,602 4 7	
Advances from Surplus Balances—			
Filling in the Babula Tank with debris...	621 1 7		
		621 1 7	
Total for G. ...			80,904 2 10
		Grand Total Rs. ...	6,13,54,208 1 1

W. E. WAITE,
Chief Accountant.

P. R. CADELL,
Municipal Commissioner.

Appendix No. 10-B.

STATEMENT showing the Invested Balances on 31st March 1912 as compared with those at 31st March 1911.

	On 31st March 1911.	On 31st March 1912.	More.	Less.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—SURPLUS FUNDS INVESTMENTS ...	34,89,986 15 6	38,51,073 2 2	3,61,136 2 8	.....
Loan Fund Investments	21,28,575 12 8	36,58,394 1 10	15,29,818 5 2	.....
Rs. ...	56,18,512 12 2	75,09,467 4 0	18,90,954 7 10	.....
B.—SINKING FUND—				
5 per cent. Municipal Loans	54,32,321 10 3	58,73,024 7 2	4,40,702 12 11	.....
Do. do. 3½ % basis..	45,66,070 10 9	50,43,802 12 1	4,77,732 1 4	.....
Do. do. 3 % basis..	2,58,084 12 0	3,88,915 0 0	1,30,830 4 0	.....
3½ Do. do. ...	2,11,738 6 8	2,30,396 2 0	18,657 11 4	.....
Rs. ...	1,04,68,215 7 8	1,15,36,138 5 3	10,67,922 13 7	.....
C.—SPECIAL FUNDS—				
Municipal Building Fire Insurance Fund	1,35,219 1 6	1,50,756 2 6	15,537 1 0	.....
Worn-out Water Mains Renewal Fund	5,56,776 11 11	5,39,207 9 3	.....	17,569 2 8
Net Premia Fund	80,708 8 3	1,44,916 2 10	64,207 10 7	.....
Rs. ...	7,72,704 5 8	8,34,879 14 7	79,744 11 7	17,569 2 8
Rs. ...	1,68,59,432 9 6	1,98,80,485 7 10	30,38,622 1 0	17,569 2 8
Contractors', &c., Deposits in Government and other Securities	2,68,500 0 0	2,71,200 0 0	2,700 0 0	.....
Total Rs. ...	1,71,27,932 9 6	2,01,51,685 7 10	30,41,322 1 0	17,569 2 8

W. E. WAITE,
Chief Accountant.

P. R. CADELL,
Municipal Commissioner.

Appendix No.
WATER WORKS

INCOME FOR 1911-12.

INCOME.	Amount. Rs. a. p.	Total. Rs. a. p.	GRAND TOTAL. Rs. a. p.
Water Tax and other Miscellaneous Water Works Revenue—*vide* details in Appendix No. 13 (*vide* page 112)	.....	* 20,79,119 12 5	
Interest on the Investment of the unexpended balances of the different Water Works Loans	.....	10,134 1 2	20,89,253 13 7
Interest on the Worn-out Water Mains Renewal Fund Investment (*vide* page 116)	.....	24,112 13 4	
Do. Net Premia Fund Investment Water Works portions (*vide* page 116)	.....	7,740 2 9	
Interest on the 5 per cent. Municipal Loans Sinking Fund Investments—Water Works portion	1,13,754 0 0		
Interest on the 4 per cent. Municipal Loans Sinking Fund Investment—Water Work portion	59,958 0 0		
Interest on the 3½ per cent. Municipal Loans Sinking Fund Investments—Water Works portion	212 0 0	* 1,73,924 0 0	2,05,777 0 1
		Total Rs.	22,95,030 13 8

* This includes Rs 9,96,887-15-1 being the amount of Water Tax by measurement, realized during 1911-12 as shown in the following Statement :—

* *Vide* note a: page 116.

W. E. WAITE,
Chief Accountant.

STATEMENT showing the quantity of Water by meter supplied under differe[illegible]nt Sub-heads and the Water Tax by measurement realized thereon at different rates for the uniform q[illegible]uantity of 1,000 gallons.

PARTICULARS.	1906-07.		1907-08.		1908-09.		1[illegible]09-10.		1910-11.		1911-12.		
	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	
		Rs. a. p. @ As. 10		Rs. a. p. @ As. 10		Rs. a. p. @ As. 10 & As. 8		Rs. a. p. @ As. 8		Rs. a. p. @ As. 8		Rs. a. p. @ As. 8	
Hotels	2,92,87,999	18,305 0 0	2,42,74,976	15,171 13 9	2,63,28,381	14,941 4 1	2,58,16,2[illegible]25	12,908 1 9	2,10,39,119	10,519 9 0	2,57,94,317	12,897 2 6	}
		@ As. 10		@ As. 10		@ As. 10 & As. 8		@ As. 8		@ As. 8		@ As. 8	
Cotton Factories	36,01,98,730	2,25,124 3 3	33,64,20,744	2,10,262 15 5	42,51,34,112	2,30,738 1 1	40,01,38,1[illegible]43	2,00,069 1 10	41,73,53,442	2,08,676 11 5	44,40,61,597	2,22,030 12 9	
		@ As. 10		@ As. 10		@ As. 10 & As. 8		@ As. 8		@ As. 8		@ As. 8	} For trade purposes.
Flour Factories	2,11,29,622	13,206 0 2	1,93,88,795	12,117 15 11	1,84,71,088	10,336 15 8	1,37,41,5[illegible]52	6,870 12 5	1,46,64,396	7,332 3 2	1,61,25,303	8,062 10 5	
		@ As. 10		@ As. 10		@ As 10 & As. 8		@ As. 8		@ As. 8		@ As. 8	
Other Factories	18,06,22,521	1,12,889 0 6	18,52,29,710	1,15,768 9 1	20,73,88,728	1,08,589 9 0	22,96,32,8[illegible]67	1,14,816 7 8	23,24,69,449	1,16,234 11 7	24,87,36,973	1,24,368 7 11	
		@ As. 8		@ As. 8		@ As. 8		@ As. 8		@ As. 8		@ As. 8	
Milch Cattle Stables ...	5,23,75,590	26,187 12 8	5,31,90,020	26,595 0 0	5,62,12,618	28,106 5 1	6,92,51,7[illegible]87	34,625 14 7	6,67,92,168	33,396 1 4	7,53,10,128	37,655 1 1	
Government Buildings (*a*).	17,62,65,927	59,813 1 7	19,90,41,243	63,743 8 5	21,22,62,698	56,123 2 1	21,61,75,9[illegible]88	47,005 4 5	21,46,38,786	46,703 12 4	23,09,76,361	50,244 2 4	
		@ As. 11		@ As. 11		@ As. 10		@ As. 9		@ As. 6½		@ As. 6½	
Railways	27,94,78,027	1,92,141 2 3	32,14,85,587	2,21,021 4 10	33,91,50,475	2,22,559 5 1	34,43,09,3[illegible]97	2,04,517 5 2	39,54,87,260	1,91,765 3 9	38,56,11,852	1,56,654 12 8	
		@ As. 9½		@ As. 9½		@ As. 9½		@ As. 9½		@ As. 6½		@ As. 6½	
Port Trust...	12,45,98,251	73,980 3 3	13,33,85,109	79,197 6 7	13,99,66,946	83,105 5 11	13,73,73,0[illegible]65	81,565 3 10	13,76,22,994	67,060 14 7	16,04,79,944	65,195 0 3	
Suburbs (*b*)	9,52,20,249	73,842 14 10	9,98,36,559	74,313 4 5	10,52,51,058	77,312 2 7	10,94,71,8[illegible]92	83,264 5 4	10,81,22,707	83,219 5 0	13,46,84,103	1,01,703 14 6	
Miscellaneous (*c*)... ...	65,41,85,867	1,94,814 15 2	72,94,13,366	2,47,031 0 1	76,83,55,282	2,27,351 3 11	76,92,62,7[illegible]92	2,15,531 15 1	78,52,11,084	1,98,093 10 2	83,64,20,853	2,18,075 14 8	
Total ...	1,97,33,62,783	9,90,304 5 8	2,10,16,66,109	10,[illegible]5,222 14 6	2,29,85,21,386	10,59,163 6 6	2,31,51,73,45[illegible]8	10,01,174 3 1	2,39,34,01,405	9,63,002 2 4	2,55,82,01,431	9,96,887 15 1	

(*a*) The rates charged are in accordance with the Water Rules for the respective years.

(*b*) The rates charged vary from As. 12 to Re. 1.

(*c*) The rates charged vary from As. 2 to As. 10.

11.
ACCOUNT.

EXPENDITURE FOR 1911-12.

EXPENDITURE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
General Superintendence (proportion of) (*vide* page 113) ...	36,700 1 0			
Assessment and Collection Charges (proportion of) (*vide* page 113)	63,667 2 0			
Engineer's Establishment (proportion of) (*vide* page 113) ...	11,371 15 0			
	1,11,739 2 0			
Maintenance of Water Works (*vide* page 115)	3,00,020 7 8			
New Works (*vide* page 117)	42,688 2 6			
		4,54,447 12 2		
Investments—				
Interest realized on the worn-out Water Mains Renewal Fund (*vide* page 116)	24,112 13 4			
Interest realized on the Net Premia Fund—Water Works portion (*vide* page 116)	7,740 2 9			
Interest realized on the 5 per cent., 4 per cent., and 3½ per cent. Loans Sinking Fund—Water Works portion (*vide* page 116)	1,73,924 0 0			
		2,05,777 0 1		
			6,60,224 12 3	
Interest on Water Works Loans (Debt)—				
Due to Government—Vehar Debt	.....	92,076 3 1		
Due to the Public—				
Portion of 10 Lakhs for Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878	19,237 3 1			
Water Works portion of the 44 Lakhs Sanitary Works Loan (Rs. 18,98,921)	79,436 2 11			
Water Works portion of the 7 Lakhs Sanitary Works Loan (Rs. 1,90,389)	8,604 12 3			
Water Works portion of the 12 Lakhs Drainage and Water Works Loan (Rs. 85,000)	4,209 4 4			
Tansa Water Works Loan of Rs. 147 lakhs	7,38,337 0 0			
Water Works portion of the Rs. 10,08,500 Miscellaneous Works Loan (Rs. 1,35,000)	6,634 7 8			
Water Works portion of the 35 Lakhs Various Sanitary Works Loan (Rs. 9,20,000)	45,687 11 7			
Water Works portion of the 42 Lakhs Loan for repayment of Government Consolidated Loan (Rs. 28,59,760) ...	1,12,483 14 4			
Water Works portion of the 23¼ Lakhs Loan for Drainage and other Works (Rs. 2,45,500)	9,624 10 6			
Water Works portion of the 15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Works (Rs. 30,000)	1,112 9 2			
Water Works portion of the 25 Lakhs Loan for Sewerage, &c., Works (Rs. 2,31,297)	9,238 0 0			
Water Works portion of the 24¾ Lakhs Loan for certain Sewerage and Water Works (Rs. 2,73,000)	10,846 1 7			
12¾ Lakhs Loan for certain Water Works (Rs. 12,75,000) ...	50,820 0 0			
55 Lakhs Loan for Miscellannous Work (Rs.) ...	2,205 6 8			
		10,98,477 4 1		
		11,90,553 8 0	(*a*)	
Commission to Bank of Bombay for payment of interest on the Water Works portion of the different Loans	4,583 1 11			
Miscellaneous Loan Charges, including Commission paid to the Bank of Bombay for drawing interest on Sinking Fund Investments	248 1 8	(*a*)4,831 3 3		
			11,95,384 11 3	
Payments towards the reduction of debt or investment of Sinking Fund of the following Water Works Loans:—				
Vehar Debt	.....	21,899 12 11		
Portion of the 10 Lakhs for Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878	.....	39,532 4 8		
Water Works portion of the 44 Lakhs Sanitary Works Loan (Rs. 18,98,921)	.....	17,725 2 2		
Do. do. 7 lakhs Sanitary Works Loan (Rs. 1,90,389)	.....	2,279 12 4		
Do. do. 12 Lakhs Drainage and Water Works Loan (Rs. 85,000) ...	.....	907 1 6		
Do. do. Rs. 10,08,500 Miscellaneous Works Loan (Rs. 1,35,000)...	.....	1,576 12 2		
Tansa Water Works Loan of Rs. 147 Lakhs	.....	65,244 0 0		
Water Works portion of the 35 Lakhs Various Sanitary Works Loan (Rs. 9,20,000).	.....	11,455 0 10		
Do. do. 42 Lakhs Loans for repayment of Government Consolidated Loan (Rs. 28,59,762)	.....	55,520 14 8		
Do. do. 23¼ Lakhs Loan for Drainage and other Works (Rs. 2,45,500)	.....	2,917 6 2		
Do. do. 15¾ Lakhs Loan for Sewerage, Wari Bunder, &c., Works (Rs 30,000)	.....	349 1 8		
Do. do. 25 Lakhs Loan for Sewerage, &c., Works (Rs 2,31,297).	.....	2,713 4 9		
Do. do. 24¾ Lakhs Loan (Rs. 2,73,000).	.....	3,201 3 5		
Do. do. 12¾ Lakhs Loan	.....	24,603 0 0	(*b*)2,49,924 13 3	
				21,05,534 4 9
Balance—Income in excess of Expenditure ...				1,89,496 8 11
			Total Rs. ...	22,95,030 13 8

(*a*) *Vide* page 123. (*b*) *Vide* page 125.

P. R. CADELL,
Municipal Commissioner.

Appendix

WATER WORKS

SCHEDULE OF LIABILITIES AND

LIABILITIES.	Rs a. p.	Rs. a. p.	Rs. a. p.
Debt due to Government—			
Government of Bombay on account of Vehar Debt (see page 76)		22,89,246 12 9	
Debt due to the Public—			
Portion of 10 lakhs for the Bhandarwada Water Works of the Loan of Rs. 26,94,000 of 1878	3,37,231 10 11		
Water Works portion of the 44 lakhs Sanitary Works Loan	16,13,651 4 7		
Water Works portion of the 7 lakhs Sanitary Works Loan	1,90,389 0 0		
Water Works portion of the 12 lakhs Drainage and Water Works Loan	85,000 0 0		
Water Works portion of the Miscellaneous Works Loan of Rs. 10,08,500	1,35,000 0 0		
Water Works portion of the 35 lakhs Various Sanitary Works Loan	9,20,000 0 0		
Tansa Water Works Loan of 147 lakhs	1,47,00,000 0 0		
Water Works portion of the 42 lakhs Loan for repayment of the balance of Government Consolidated Loan ...	28,59,762 0 0		
Water Works portion of the 23¼ lakhs Loan for Drainage and other Works	2,45,500 0 0		
Water Works portion of the 15⅝ lakhs Loan for Sewerage, Wari Bunder, &c., Roads, Burial Ground and certain Water Works	30,000 0 0		
Water Works portion of the 25 lakhs Loan for Sewerage, Roads and other Works	2,31,297 0 0		
Water Works portion of the 24¾ lakhs loan for certain Sewerage and Water Works	2,73,000 0 0		
12¾ Lakhs Loan for certain Water Works	12,75,000 0 0		
		2,28,95,830 15 6	2,51,85,077 12 3
Balance—Assets in Excess of Liabilities ...			1,00,98,297 14 4
		TOTAL Rs. ...	3,52,83,375 10 7

W. E. WAITE,
Chief Accountant.

No. 12.
ACCOUNT.
ASSETS AT 31ST MARCH 1912.

ASSETS.	Rs. a. p.	Rs. a p.	Rs. a. p.
Properties—			
Water Works executed out of Loan and Reserve Funds as detailed at pages 102 to 105 (*vide* Appendix No. 10-A) ...			(a) 2,98,52,030 3 2
II. Investments—			
1. Bank of Bombay, Municipal Loans Sinking Fund Deposit Accounts—			
Rs. a. p.			
5 per cent. Loans 27,29,563 0 0			
4 „ „ 16,80,812 0 0			
3½ „ „ 6,912 0 0			
	(b) 44,17,287 0 0		
2. Bank of Bombay Worn-out Water Mains Renewal Fund Deposit Account (*vide* page 93)	5,39,207 9 3		
3. Bank of Bombay Net Premia on different Municipal Loans Deposit Account (*vide* page 93)	62,320 11 5		
		50,18,815 4 8	
4. Loan Funds Investments Deposits (*vide* page 91) ...	5,96,581 0 5		
Less—Value of properties (Water Works) executed out of Loan Funds Advances (*vide* page 104)	1,84,050 13 8		
		4,12,530 2 9	
			54,31,345 7 5
		TOTAL RS. ...	3,52,83,375 10 7

(a) Exclusive of charges met out of the contribution from the G. I. P. Railway Company for removing and relaying 32" Vehar Main at Cooria. When this work is completed and the difference between the value of the old and new work is ascertained necessary adjustment for treating the item as "Assets" will be made.

(b) *Vide* page 91.

P. R. CADELL,
Municipal Commissioner.

Appendix

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
RECEIPTS.				
MUNICIPAL FUND.				
Cash Balance (in Bank and Office Treasuries) on 1st April 1911				2,88,472 4 3
GENERAL TAX—				
From the Public		43,43,561 8 5		
„ Government of Bombay		3,91,608 0 0		
„ Port Trust		2,41,150 0 0		
			49,76,319 8 5	
WHEEL TAX AND TOLLS—				
WHEEL TAX—				
Through Assessor and Collector (Private Conveyances)	2,13,595 4 6			
Through the Chief Accountant (Public Land Conveyances)	2,34,791 5 4			
		4,48,386 9 10		
TOLLS—(Through Contractors)		21,100 0 0		
			4,69,486 9 10	
TOWN DUTIES (Gross Collections)		31,23,307 8 2		
Less—Refunds		18,76,209 11 0		
			12,47,097 8 2	
LICENSES—				
(*a*) Taxes on Trades and Professions		1,05,084 8 0		
(*b*) Land Conveyance, Music, &c., Licenses (issued by the Commissioner of Police)—				
(1) Music Licenses		8,692 4 3		
			1,13,776 12 3	
LIQUOR LICENSES—Receipts from Government			1,43,750 0 0	
TOBACCO DUTY LICENSES—Receipts from Government (through Commissioner of Customs)			2,78,896 1 8	
HALALKHORE TAX—				
On value		11,03,034 9 0		
For special services		1,89,663 0 6		
			12,92,697 9 6	
WATER TAX AND OTHER MISCELLANEOUS WATER WORKS REVENUE—				
Water Tax through Assessor and Collector—				
On value	10,04,225 4 0			
On meter measurement	9,96,134 10 10			
Compounded Tax	15,028 5 7			
	20,15,388 4 5			
Water supplied to Municipal Departments	29 5 2			
Water charges recovered through Water Engineer	18,526 14 2			
	20,33,944 7 9			
Rent of Water Meters	31,573 1 3			
Miscellaneous	10,606 7 5			
		20,76,124 0 5		
Sale-proceeds of and produce of lands		2,470 1 4		
Rent of land and buildings		525 10 8		
			20,79,119 12 5	
MARKET RECEIPTS—				
Stall rents	1,70,773 7 3			
Squatters' fees	48,733 12 0			
Fair Ground and Feeding Fees from Contractors	80,200 0 0			
Miscellaneous	31,084 14 6			
		3,30,792 1 9		
Slaughter fees		2,10,881 15 0		
Rent of land and buildings		3,115 4 0		
Sale-proceeds of and produce of land		15 9 0		
			5,44,804 13 9	
Carried over Rs.			1,11,45,948 12 0	2,88,472 4 3

No. 13.

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1912.

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
DISBURSEMENTS.				
MUNICIPAL FUND.				
GENERAL SUPERINTENDENCE—				
Standing Committee and Corporation Establishment ...		69,650 10 0		
Municipal Commissioner's Personal Office Establishment		59,815 2 0		
General Office Establishment		78,742 6 7		
Accounts and Expenditure Audit Establishment ...		85,392 5 7		
			* 2,93,600 8 2	
ASSESSMENT AND COLLECTION DEPARTMENT—				
Property and Wheel Tax Establishment	† 2,12,223 11 4			
Town Duty Collection	97,998 3 3			
Licensing Establishment	21,012 4 7			
Revenue and Refund Audit Establishment	‡ 43,333 7 6			
		3,74,567 10 8		
TOLLS COLLECTION—				
Establishment and other charges		636 2 7		
			3,75,203 13 3	
FIRE BRIGADE		1,45,932 1 10		
Add—Interest on the Fire Brigade Loan of 4½ lakhs—Transferred from Interest on Loans, page 123. ...		20,470 0 0		
			(*a*) 1,66,402 1 10	
MAINTENANCE OF PUBLIC GARDENS—				
(*a*) VICTORIA GARDENS—				
Maintenance		59,300 13 11		
(*b*) ELPHINSTONE CIRCLE GARDEN...		991 11 7		
(*c*) FALKLAND ROAD GARDEN		180 1 3		
(*d*) NORTHBROOK GARDEN		930 14 5		
(*e*) SIR COWASJEE JEHANGIR GARDEN		143 2 7		
(*f*) BAZAR GATE GARDEN		280 11 1		
(*g*) DICK'S TANK GARDEN		150 0 4		
(*h*) MALABAR HILL GARDEN		724 6 2		
(*i*) ESPLANADE GARDEN		5,040 14 0		
(*j*) CHOWPATI BAND STAND		1,099 7 6		
			68,842 2 10	
PUBLIC WORKS (ENGINEER'S) DEPARTMENT—				
I. GENERAL SUPERVISION AND MISCELLANEOUS DUTIES		§ 68,231 9 8		
II. MECHANICAL BRANCH—				
For *A*—Workshops—see page 125.				
„ *B*—Maintenance of Compressor Station, Colaba (Shone System)	33,496 6 2			
„ *C*—Maintenance of Love Grove Pumping Station...	1,09,850 4 0			
„ *D*—Maintenance of Air Compressor Station at Love Grove (Shone System)	74,951 6 11			
„ *E*—Maintenance of Storm Water Sluices	2,071 10 2			
		2,20,369 11 3		
III. SANITARY—Disposal of Town Sweepings		1,11,163 11 0		
IV.—DRAINAGE—				
A.—Miscellaneous Drainage	2,37,443 15 3			
B.—Maintenance of Sluices	2,793 10 1			
		2,40,237 9 4		
Public Works (Engr.'s Dept.) *contd.* and carried over Rs.		6,40,002 9 3		
Carried over Rs. ...			9,04,048 10 1	

* Of this, Rs. 36,700-1-0 are charged to Water Works Account.

† Do. Rs. 63,667-2-0 do. do. do.

‡ Includes Rs. 26,301-15-3 on account of Town Duty Refund Establishment.

(*a*) Or Rs. 1,74,706-3-9 includes the Sinking Fund Instalment of Rs. 8,304 1-11 included in the Sinking Fund payments aggregating Rs. 10,67,922-13-7 shown at page 125.

§ Of this, Rs. 11,371-15-0 are chargeable to Water Works Account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS

ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward. Rs.			1,11,45,948 12 0	2,88,472 4 3
PUBLIC GARDENS—				
VICTORIA GARDENS—				
Sale-proceeds of Plants, Flowers, &c.		6,398 10 11		
Rent of Chawls from Malees, &c.		382 0 0		
Fees for Elephant ride		1,322 13 6		
Rebate towards the cost of the Maintenance of the Museum Garden		600 0 0		
Fees for Camel ride		71 2 0		
Fees for admittance		1,880 14 0		
Right of selling refreshments		1,875 0 0		
Sale-proceeds of cast live stock		30 11 0		
			12,561 3 5	
TRAMWAY RENT			54,542 14 1	
MISCELLANEOUS FINES AND PENALTIES			23,381 0 7	
MISCELLANEOUS RECEIPTS—				
General Sales Account—				
Sale of Land	72,887 11 4			
Miscellaneous	11,817 9 7			
		84,705 4 11		
On account of Health Department—				
Rent of Chawls, Milch Cattle Stables and Dhobiwada.	63,236 5 10			
Sale-proceeds of land and produce of land	21,893 0 0			
Sale of Bones, Manure and Cowdung Cakes, &c.	3,116 6 0			
Cleaning Drains	4,135 11 0			
Miscellaneous	16,835 10 0			
		1,09,217 0 10		
On account of Engineer's Department—				
Cleveland Bunder Fees ... Rs. 1,432 10 6				
Ground-rent for Telephone Lines. „ 13 13 2				
Other Ground-rent ... „ 17,783 2 11				
	19,229 10 7			
Right of catching fish, cutting grass, collecting fruits, drawing toddy, &c.	15,267 8 5			
Miscellaneous	12,595 7 0			
		47,092 10 0		
On account of Drainage Department—				
Ground-rent and Rent of Buildings	347 1 0			
Miscellaneous	2,459 1 11			
		2,806 2 11		
Miscellaneous—				
Sundries		5,038 3 3		
			2,48,859 5 11	
MISCELLANEOUS FEES—				
Through Assessor and Collector—				
Buttakee, Notice, &c., Fees		5,773 14 2		
Through Executive Engineer—				
Projecting Verandahs, Balconies, &c.	51,624 5 9			
Opening Roads	4,226 12 0			
Scaffoldings	11,224 3 6			
Occupying Public Roads	3,921 0 0			
Sundries	220 4 0			
		71,216 9 3		
Through Health Officer—				
Digging Graves	4,029 12 0			
Removing Dead Animals	5,634 8 0			
Skinning Dead Animals	61,325 0 0			
Supplying copies of Office Records, &c.	1,420 0 0			
Municipal Laboratory Fees	1,135 8 0			
Fees for Vaccine Instructions	295 0 0			
Fees for vaccinating persons at private places	661 0 0			
Fees for admission to the Sanitary Department	*Dr.* 160 0 0			
Fees for Clinical Instructions	585 0 0			
		74,925 12 0		
Miscellaneous—				
Supplying copies of Office Records, &c., of different Municipal Departments		465 2 0		
			1,52,381 5 5	
Carried over Rs.			1,16,37,674 9 5	2,88,472 4 3

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1912—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*contd.* and brought forward ... Rs.			9,04,048 10 1	
PUBLIC WORKS (Engineer's Department)—*contd.* and brought forward... ... ... Rs.		6,40,002 9 3		
V.—WATER WORKS—				
A. Ordinary Branch	2,75,347 10 2			
B. Special Branch	24,672 13 6			
		*3,00,020 7 8		
VI.—STREETS AND BUILDINGS—				
A. Inspection and Supervision	1,76,048 13 8			
B. Public Lighting	3,86,905 13 5			
C. Road Watering	74,602 8 2			
C. I. Oiling and Tarring Roads (experimental) ...	37,100 11 5			
D. Roads, footpaths, &c.	4,95,619 6 1			
E. Improvement of Streets	1,19,242 13 9			
F Miscellaneous—				
Compensation to Municipal staff employed on extricating bodies of persons overwhelmed in the debries of fallen buildings, &c	66 14 0			
		12,89,587 0 6		
VII.—Cleaning, Lighting and Repairing Port Trust Wharves Roads		40,183 0 0		
			22,69,793 1 5	
NEW WORKS—				
GENERAL SUPERINTENDENCE—				
Corporation and Standing Committee's Establishment: —				
Providing closet in the Councillor's room	613 1 5			
General Office Establishment:—				
Providing Sprinklers in the record rooms in the Tower of the Municipal Office Building ... ... Rs. a. p. 458 1 9				
Renewal of the terrace over the rooms occupied by the Deputy Executive Engineer, Drainage and his Assistants in the Municipal Office Building ... 378 3 1				
	836 4 10			
		1,449 6 3		
Fire Brigade:—				
Lowering the blue stone pavement, removing the doors, &c., &c., of the Engine House of Gowalia Tank and Chinchpokli Fire Brigade Stations and also extending the ramp to width of Engine House	1,709 9 6			
Removing and reconstructing the existing privies for the lascars of the Sankli Tank Fire Brigade Station	1,074 5 10			
Construction of a tiled shed at Haines Road Fire Brigade Station	2,488 0 1			
		5,271 15 5		
Public Gardens:—				
Construction of a store godown with rooms for Carpenters, Smiths, Malees, Tools	4,742 14 9			
Providing three new latrines in the Victoria Gardens	2,506 0 0			
		7,248 14 9		
Mechanical Branch:—				
Provision of Babcock and Wilcox chain grate stokers and Babcock and Wilcox superheaters for three boilers at the Air Compressor Station at Love Grove		642 6 8		
Sanitary—Disposal of Town Sweepings:—				
Metalling, levelling, &c., the compound in front of the Biggaries, Chawls at Chimbur		1,483 10 0		
New Works—*Continued* and carried over ... Rs. ...		16,096 5 1		
Carried over Rs. ...			31,73,841 11 6	

* Chargeable to Water Works Account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward. Rs.			1,16,37,674 9 5	2,88,472 4 3
MISCELLANEOUS SAVINGS			8,757 3 3	
CONTRIBUTION from Municipal Servants towards Pension, &c., Fund			54,017 5 8	
INTEREST on Investments of Surplus Loan and other Balances—				
Loan Fund Investments		†94,719 4 7		
Surplus Fund Investments		1,29,560 8 1		
			2,24,279 12 8	
PROFIT on Municipal Workshops			2,122 7 10	
SALE-PROCEEDS of Unserviceable Tools, Plant, &c. ...			4 879 0 9	
ACTUAL Profit on Sale of Stores to Contractors			7,518 1 7	
INTEREST on the 5, 4 and 3½ per cent. Municipal Loans Sinking Fund Investments		*4,41,267 9 4		
INTEREST on Municipal Buildings Fire Insurance Fund Investments	5,539 10 8			
INTEREST on the Investments of the Net Premia Fund ... ... Rs. 5,070 15 8				
Extra realizations of interest on Sinking Funds Investments transferred to the Net Premia Fund ... ... „ 12,910 0 0				
	‡17,980 15 8			
INTEREST on the Worn-out Water Mains Renewal Fund Investments	24,112 13 4			
		47,633 7 8		
			4,88,901 1 0	
INTEREST at 3 per cent. on Corporation lands made over to C. I. Trust			37,275 13 3	
PAYMENT by the City Improvement Trust of Credit Balance in General Account under Section 79 of Act IV of 1898			1,60,364 0 2	
			1,26,25,789 7 7	
PREMIUM received on the 1st instalment of Rs. 30 Lakhs of the 55 Lakhs Loan for Miscellaneous Works ...			30,000 0 0	
				1,26,55,789 7 7
Carried over ...Rs.				1,29,44,261 11 10

* Includes Rs. 1,73,924-0-0 received on the Water Works portion of the Sinking Fund.

† Includes Rs. 10,134-1-2 received on the Water Works portion of Loan Fund Investments.

‡ Includes Rs. 7,740-2-9 received on the Water Works portion of the Net Premia Fund Investments.

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1912—*contd.*

	Rs a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward. Rs.			31,73,841 11 6	
NEW WORKS—*continued* and brought forward ...Rs.		16,096 5 1		
Drainage—				
Miscellaneous Drainage Works	8,511 3 3			
Connecting road watering standposts and tanks with the Municipal Sewer	995 12 3			
Constructing a storm-water drain at the junction of Altamount Road and Hermitage Pass...	1,182 10 11			
Laying a 12″ double pipe drain from the junction of Dadar Road and Naigam Cross Road	4,682 0 0			
Making and fixing two storm-water sluices, &c., at the outlet of the storm-water drain in Tardeo Road at the Hornby Vellard	1,384 0 11			
Drainage Works to be carried out in consequence of the enforcements of set-backs	790 15 0			
Constructing a storm-water drain in Gowalia Tank Road near Cumballa Hotel Lane	5,143 6 5			
Providing a side drain, 240 feet long in Chickalwadi and a covered drain 2′ × 2′ with water entrances and water tables in Sleater Road	7,783 4 8			
Filling in roadside drain in Tardeo Road and constructing water entrances with water tables	3,922 7 2			
Providing masonry channel in the line of the existing water course between Currey Road and DeLisle Road	5,175 6 2			
Providing a storm-water drain in the water course between Fergusson Road and the passage leading to Tulsi Pipe Line Road	6,159 11 9			
Providing a storm-water drain with water entrances at Arthur Road on the Municipal Cart Road near Tardeo Flat	1,699 13 3			
Constructing two full sized water entrances at different places at Sewri Road	231 12 6			
Lowering Weir at Tardeo Flats	784 10 0			
Providing masonry channel and khanki pitching on both sides of the water course from Kalachowki to Arthur Road	7,579 10 2			
Constructing a broad V-shaped open drain at the Ravine on the western side of the Malabar Hill Reservoir...	922 0 0			
Construction of a storm-water drain on DeLisle Road from the north gate of Byculla station to the existing storm-water drains	1,242 6 8			
Laying 12″ pipe sewer in Girgaum Road between Charni Road and Kandewadi Road	3,838 13 8			
Construction of a storm-water drain within Mr. Rustamjee Hormusjee Jal's premises at Sankli Tank ...	1,434 2 7			
		63,464 3 4		
Water Works—				
Providing additional masonry cattle troughs in various parts of the City	329 3 0			
Laying a 12″ main from the Tulsi Pipe Line Road to Worli Road in place of the 6″ main in Fergusson Road	4,613 3 10			
Extending 6″ main in Wodehouse Road (south end) and fixing 5 stand posts hydrants for road watering purposes	480 3 4			
Laying a 5″ diameter water main in Khetwadi Main Road	370 14 11			
Replacing the 3″ main in Cawasjee Patel Street by a 9″ main	1,286 6 1			
Rendering reservoirs and filters at Malabar Hill water tight	16,222 6 8			
Replacing 3″ main in Bapu Khote Street by a 5″ main	1,775 2 1			
Replacing the 3″ Pipe on Arthur Road by a 6″ one and extending it so as to join the 6″ main at Kalachowki Road	1,329 9 6			
Housing the sluicemen of the Water Works Branch, D Ward	2,463 11 8			
Laying 4″ main in Shaik Buran Street...	329 1 11			
Laying a 5″ water main in place of the existing 3″ main in Fanaswadi	257 9 3			
Laying a distributing 9″ main in Kolbhat Lane ...	3,527 12 9			
Repairing the Dhapa drain around Nakhoda Tank at Carnac Road, &c., and connecting the same with the pipe sewer	1,033 6 10			
Diverting the 4″ water main from under the footpath at Hornby Road from Fort Street to J. J. Hospital.	645 4 7			
Erection of a Masonry Water Tank, &c., &c., at Love Grove Pumping Station...	247 9 4			
Removal of Jungle along Tansa Duct	1,697 3 2			
Enclosing verandah on the east side of Water Works Office	851 8 11			
Extending 9″ main in Agiary Street	1,463 10 7			
Laying a 5″ main in Queen's Road between Bandstand and Wodehouse Bridge	3,826 13 1			
	42,750 13 6			
Less—				
Replacing the 3″ main in Huzaria Street by a 5″ main.	*Cr.* 62 11 0			
		*42,688 2 6		
NEW WORKS—*contd.* and carried over ... ... Rs.		1,22,248 10 11		
NEW WORKS—*contd.* and carried over Rs....			31,73,841 11 6	

* Chargeable to Water Works Account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward Rs.				1,29,44,261 11 10
Carried over ...Rs.				1,29,44,261 11 10

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1912—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward Rs.			31,73,841 11 6	
NEW WORKS—*continued* and brought forward — Rs.		1,22,248 10 11		
STREETS AND BUILDINGS—				
Putting up eight water tanks in F. & G Wards, two water tanks at the junction of Napier Road and Breach Road and two at Fort Street	1,803 5 5			
Cost of removal of the central poles on the Esplanade Road and Hornby Road as far as Victoria Terminus and their re-erection at the sides of the roads	13,500 0 0			
Constructing a building at Gowalia Tank Road for Officers of Building and Lighting Inspectors of D Ward	1,494 3 0			
Improvement of Roads, &c., at Bhatia Baug	19,161 4 3			
Improvement at Mayo Road	40 7 11			
Removing the Fitzgerald Fountain and re-erecting it on another site	1,751 4 10			
Purchase and fixing o new street name boards ...	1,213 6 6			
Providing seven street refuges in different parts of the City	124 4 5			
Constructing a temporary shed for bullocks at Fort Street	2,429 12 4			
Improving the corner of Admiralty House Compound at the junction of Cooperage Road and Wodehouse Road	2,225 2 10			
		43,743 3 6		
SANITARY AND OTHER MISCELLANEOUS WORKS—				
Constructing a latrine and a pail depôt at Ghorupdeo Road...	2,944 0 0			
Paving cab stands	3,844 5 8			
Constructing an approach road at Mahim Burial Ground	1,958 14 2			
Paving and enclosing dust-bin carts	1,206 11 6			
Removing a public urinal stands at Chinch Bunder Road and re-erecting it at the junction of Valpakhady and Mazagon Roads	0 15 7			
Making a pucca road at Haines Road Cemetery from the entrance to the Burning Ground	709 10 10			
Erecting a mortuary chapel at the Haines Road Cemetery for the Roman Catholics	2,000 0 0			
Constructing a pail depôt with one pail near the Municipal latrines on the Foreshore at Malabar Hill.	784 14 5			
Building a wall for protecting the Mahim Burning and Burial Grounds from the inroads of the sea. ...	114 0 0			
Renewing the existing west side gallery of the A Ward Beggaries' Chawl	218 9 4			
Construction of five kutchra wagons for the disposal of Town sweepings	15,000 0 0			
Filling in Haines Road Cemetery	3,743 14 4			
Acquisition of land for the extension of the Haines Road Cemetery	4,501 13 4			
Construction of public latrines and urinals	84 6 9			
Erecting a temporary structure at Mahim for the accommodation of bullocks with a storeroom and small office	1,382 4 0			
Constructing a platform, a metallic road, &c., at the Gun Carriage Factory at Colaba	769 6 4			
Putting up semi-permanent portable urinals and latrines in various parts of the city	1,180 0 0			
Removing and reconstructing a portion of the compound wall at Dharavi Roman Catholic Cemetery	2,102 10 1			
Removing and reconstructing water-closets at the Arthur Road Hospital	1,442 8 8			
Constructing dust-bin stands, sweepers' quarters and Drainage and Water connections...	3,481 4 8			
Converting the present night-soil depôt at Belvedere Hill, Wari Bunder Road, into a pail depot and providing a standpipe thereat	1,402 0 5			
Constructing the existing one-seated privy into five water-closets on full flushing system at Foras Road Dharamshalla	26 10 8			
Experiments for flushing arrangements and providing privy receptacle to the chawls at Cochin Street ...	2,728 2 0			
Full metalling, &c., of the strip of land about 1,000 ft. in length at Tardeo Flats	7,553 3 2	59,180 3 11		
NEW WORKS—*contd.* and carried over Rs.		2,25,172 2 4		
Carried over Rs. ...			31,73,841 11 6	

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward ...				1,29,44,261 11 10
Carried over Rs...				1,29,44,261 11 10

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1912—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*contd.* and Brought forward Rs. ...			31,73,841 11 6	
NEW WORKS—*contd.* and Brought forward Rs. ...		2,25,172 2 4		
MARKETS—				
Making and fixing of two iron drinking troughs at Bandora with blue stone pavement	230 11 9			
Pulling down and reconstructing the Cattle Inspection shed at Bandora	402 3 2			
Putting up electric light and a fan in the office of the Superintendent of Markets	392 11 2			
Remodelling the drainage arrangements of the Erskine Road Fish Market	2,059 4 2			
		3,084 14 3		
GENERAL STORES—				
Raising the floor of the godowns of the Bellasis Bridge Stores Depot	328 2 8			
General overhaul and renewing the roof of cement godowns at the Pipe Depôt	642 2 10			
		970 5 6		
MUNICIPAL WORKSHOPS—				
Automatic key seating and slot Drilling Machine ...		1,200 0 0		
			2,30,427 6 1	
PUBLIC HEALTH DEPARTMENT—				
I. General Supervision		1,36,654 5 7		
II. Conservancy Branch—				
Veterinary Establishment...	9,399 12 9			
Other Conservancy Charges	16,11,920 2 7			
		16,21,319 15 4		
III. Markets and Slaughter Houses		1,70,803 11 10		
IV. Registration of Births and Deaths		79,963 15 9		
V. Cemeteries		14,419 2 2		
VI. Laboratory		11,392 12 0		
VII. Mahaluxmi Dhobiwada		16,122 0 1		
VIII. Infectious Diseases		49,833 1 8		
IX. Milch-Cattle Stables and Rooms		5,832 3 7		
X. Rustomji Jamshetji Dharamshalla, Falkland Road.		515 14 6		
XI. Vaccination		27,207 8 4		
XII. Malaria		9,101 4 2		
			21,43,165 15 0	
GENERAL STORES—				
Establishment and Contingencies			33,054 2 10	
EDUCATION—				
Prince of Wales Museum	25,000 0 0			
Victoria and Albert Museum	17,297 3 7	42,297 3 7		
Other Institutions		3,78,014 0 0		
			4,20,311 3 7	
CENSUS			*Cr.* 2,540 3 8	
HOSPITALS, &c.			4,72,857 9 1	
CONTRIBUTION to the City Improvement Trust ...			8,65,000 0 0	
PENSIONS, &c.			86,701 0 0	
Carried over Rs. ...			74,22,818 12 5	

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and Brought forward ...				1,29,44,261 11 10
Carried over Rs. ...				1,29,44,261 11 10

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1912—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*contd.* and Brought forward Rs....			74,22,818 12 5	
MISCELLANEOUS—				
Cost of providing permanent flag staffs on Municipal Office Building		1,237 9 2		
Discretional Contingencies		7,262 6 3		
Auditors' Allowance		10,000 0 0		
House Rent		3,563 11 3		
Loss on account of private works—Irrecoverable bills written off		95 5 2		
Local Allowance		54,446 1 3		
Writing off the difference between the price paid by the Municipality for the property at the junction of Mody Street and Agiary Lane Fort and the amount realized by its sale		411 14 9		
Adjustment (part) of the advance of Rs. 9,10,052-7-4 outstanding under "Plague expenditure suspense adjustment account"		5,00,000 0 0		
Cost of preparing the address of welcome to Their Imperial Majesties		18,256 10 0		
			5,95,273 9 10	
INTEREST ON LOANS		25,36,464 1 11		
Less—				
Shown under Fire Brigade (page 113)		20,410 0 0		
			* 25,16,054 1 11	
CHARGES ON ACCOUNT OF LOANS			† 11,556 0 7	
PLAGUE CHARGES			1,55,903 0 0	
				1,07,01,605 8 9
PAID OUT OF THE NET PREMIA FUND—				
Printing, advertisements, &c., charges in connection with the 4 per cent. Loan of the 1st instalment of Rs. 30 Lakhs of the 55 Lakhs Loan for Miscellaneous Works raised in 1911-12		34,642 0 0		
Less—				
Premia on investments of 5 per cent. Loans Sinking Fund	*Cr.* 16,058 12 0			
Premia on the investments of 4 per cent. Loans Sinking Fund	*Cr.* 34,058 7 0			
Premia on the investments of 3½ per cent. Loans Sinking Fund	*Cr.* 604 6 0			
	Cr. 50,721 9 0			
Sale-proceeds of water-marked paper supplied to the Bank of Bombay	*Cr.* 147 1 11			
		Cr. 50,868 10 11	*Cr.* 16,226 10 11	*Cr.* 16,226 10 11
Loan Works (*vide* Appendix No. 9)				19,70,181 10 10
Carried over Rs....				1,26,55,560 8 8

* Includes Rs. 11,90,553-8-0 chargeable to Water Works Account.

† Of this Rs. 4,831-3-3 are chargeable to Water Works Account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward. Rs.				1,29,44,261 11 10
DEBT—				
1st Instalment of Rs. 30 Lakhs of the 55 Lakhs Loan for Miscellaneous Works				30,00,000 0 0
ADVANCES—				
(*a*)—CASH ADVANCES TO MUNICIPAL OFFICERS... ...			1,72,704 8 3	
(*b*)—INTER-DEPARTMENTAL CHARGES—				
Workshops (Private and Departmental Works) ...		1,87,984 6 10		
Private Works (Engineer's, &c., Departments)... ...		54,258 15 7		
Departmental Works (do.)		2,10,370 10 2		
			4,52,614 0 7	
(*c*)—ADVANCES TO CONTRACTORS			72,706 11 0	
(*d*)—MISCELLANEOUS			91,501 10 5	
(*e*)—RESERVE STOCK—				
Stock	6,55,016 11 10			
Water-Works Imprest	1,793 0 7			
Executive Engineer (General)	20,491 6 0			
		6,77,301 2 5		
Surplus and Obsolete Stores		7,889 0 1		
Stock Adjustment Account		5,865 8 11		
Line Suspense Account		3,445 4 8		
			6,94,501 0 1	
Purchases			5,98,539 0 1	
Sales			78,114 2 3	
				21,60,681 0 8
Carried over ... Rs.				1,81,04,942 12 6

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1912—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*continued* and brought forward Rs.				1,26,55,560 8 8
PAID OUT OF THE WORN-OUT WATER MAINS RENEWAL FUND—				
Laying water mains in A Ward			20,781 6 6	
Laying water mains in B Ward			17,871 2 1	
Laying 12″ main from Tulsi pipe Line Road to Worli Road in place of the 6″ main in Fergusson Road ...			923 7 11	
Replacing 3″ main in Bapu Khote Street by a 5″ main...			202 11 10	
Laying a 5″ water main in place of the existing 3″ main in Fanaswadi			1,352 1 0	
Replacing the 3″ main in Arthur Road by a 6″ main and to extend it so as to join the 6″ main in Kalachowki Road			551 2 8	
				41,682 0 0
DEBT—				
REPAYMENT—				
Vehar Debt		21,899 12 11		
Drainage Loan of 1878		1,05,500 0 0		
			1,27,399 12 11	
INVESTMENT OF SINKING FUND AND OF INTEREST ACCRUED THEREON—				
Sinking Fund Investments		6,26,655 4 3		
Interest Realizations		4,41,267 9 4		
			10,67,922 13 7	
				* 11,95,322 10 6
PLAGUE EXPENDITURE SUSPENSE ADJUSTMENT ACCOUNT—				Cr. 5,00,000 0 0
ADVANCES—				
(*a*)—CASH ADVANCES TO MUNICIPAL OFFICERS... ...			2,05,799 8 7	
(*b*)—INTER-DEPARTMENTAL CHARGES—				
Workshops (Private and Departmental Works) ...		1,86,331 14 11		
Private Works (Engineer's and Health Departments)...		57,485 6 5		
Departmental Works (Engineer's Department) ...		2,06,642 4 2		
			4,50,459 9 6	
(*c*)—ADVANCES TO CONTRACTORS			55,923 10 0	
(*d*)—MISCELLANEOUS			4,07,341 1 4	
(*e*)—RESERVE STOCK—				
Stock	6,16,388 6 10			
Water Works Imprest	2,502 13 0			
Executive Engineer (General)	19,375 0 0			
		6,38,266 3 10		
Stock Adjustment Account		18,117 6 7		
Line Suspense Account		366 0 0		
Surplus and Obsolete Stores...		225 2 8		
			6,56,974 13 1	
Purchases			5,94,748 12 7	
Sales			74,260 11 0	
				24,45,508 2 1
Carried over Rs. ...				1,58,38,073 5 3

* Of this Rs. 2,49,924-13-3 on account of repayment and Rs. 1,73,924 on account of Investment of the Interest realized on the Water Works portion of the 5, 4 and 3½ per cent. Loans Sinking Fund are chargeable to Water Works Account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*contd.* and brought forward ...				1,81,04,942 12 6
DEPOSITS—				
(*a*)—BANK OF BOMBAY ON ACCOUNT OF CONTRACTORS, &c., PAPER DEPOSIT			1,15,200 0 0	
(*b*)—SURPLUS FUND INVESTMENTS—				
Paper Deposit		9,87,612 3 0		
Cash Deposit		29,216 4 9		
Current Account Deposit		17,41,700 0 0		
Fixed Deposit		48,25,000 0 0	75,33,528 7 9	
(*c*)—LOAN FUNDS—				
Paper Deposit		2,17,718 12 0		
Cash Deposit		54,522 8 5		
Current Account Deposit		9,04,769 7 1		
Fixed Deposit		17,25,000 0 0	29,02,010 11 6	
(*d*)—RESERVE FUNDS—				
1—Municipal Buildings Fire Insurance Fund—				
Paper Deposit	2 9 8			
Cash Deposit	5,655 13 4	5,658 7 0		
2—Worn-out Water Mains Renewal Fund—				
Paper Deposit	41,000 0 0			
Cash Deposit	23,929 14 8	64,929 14 8		
3—Net Premia, &c., Fund—				
Paper Deposit	34,042 8 0			
Cash Deposit	99,199 11 4	1,33,242 3 4	2,03,830 9 0	
Bank of Bombay on account of Contractors' Securities held under objection			7,600 0 0	
Investment of Surplus moneys in 4 per cent. Bombay Port Trust Bonds			3,85,653 12 0	
Deposits—carried over ...			1,11,47,823 8 3	
Carried over Rs. ...				1,81,04,942 12 6

(including Transfers) of the BOMBAY MUNICIPALITY for the Year March 1912—*contd.*

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*contd.* and brought forward Rs.				1,58,38,073 5 3
DEPOSITS—				
(*a*)—Bank of Bombay on Account of Contractors, &c., Paper Deposit			1,12,900 0 0	
(*b*)—Surplus Fund Investments—				
Paper Deposit		11,82,761 5 8		
Cash Deposit		29,216 4 9		
Current Account Deposit		15,07,687 0 0		
Fixed Deposit		51,75,000 0 0		
			78,94,664 10 5	
(*c*)—Loan Funds—				
Paper Deposit		14,45,625 0 0		
Cash Deposit		54,522 8 5		
Current Account Deposit		3,56,681 8 3		
Fixed Deposit		25,75,000 0 0		
			44,31,829 0 8	
(*d*)—Reserve Funds—				
1—Municipal Buildings Fire Insurance Fund—				
Paper Deposit	15,555 10 0			
Cash Deposit	5,639 14 0			
		(*a*) 21,195 8 0		
2—Worn-out Water Mains Renewal Fund—				
Paper Deposit	23,540 0 0			
Cash Deposit	23,820 12 0			
		(*b*) 47,360 12 0		
3—Net premia, &c., Fund—				
Paper Deposit	98,456 14 0			
Cash Deposit	98,992 15 11			
		(*c*)1,97,449 13 11		
			2,66,006 1 11	
Bank of Bombay on account of Contractors' Securities held under objection			20,300 0 0	
Investment of surplus moneys in 4 per cent. Bombay Port Trust Bonds...			3,85,653 12 0	
Bank of Bombay on account of Public monuments, &c:—				
Maintenance of Cassamally Jairajbhai Peerbhoy's fountain at the junction of Hornby Road and Palton Road			5,000 0 0	
Deposits—carried over* ...			1,31,16,353 9 0	
Carried over ...				1,58,38,073 5 3

	Rs. a. p.	Rs. a. p.
(*a*)—Total Debits	21,195 8 0	
Less—Withdrawals as *per contra* to meet the cost of Securities purchased, &c., (Rs. 5,658-7-0—Rs. 2-9-8 the difference between the value of 3½ per cent. Government Paper transferred from surplus fund to this fund being inadvertently taken at 105⅝ instead of at 105$\frac{3}{8}$)	5,655 13 4	
Net payment during the year ...		15,539 10 8
(*b*)—Total Debits	47,360 12 0	
Less—Withdrawals as *per contra* to meet the cost of Securities purchased, &c., (Rs. 64,929-14-8—Rs. 41,682-0-0 as per page 125)	23,247 14 8	
Net Payment during the year ...		24,112 13 4
(*c*)—Total Debits	1,97,449 13 11	
Less—Premium received on the 1st instalment of Rs. 30 Lakhs of the 55 Lakhs Loan for Miscellaneous Works and invested during the year	30,000 0 0	
	1,67,449 13 11	
Less—Withdrawals as *per contra* to meet the cost of Securities purchased, &c. (Rs. 1,33,242-3-4—*Cr.* Rs. 16,226-10-11 as per page 123)...	1,49,468 14 3	
Net Payment during the year ...	.....	†17,980 15 8
Total Rs.		57,633 7 8

† Of this Rs. 7,740-2-9 are chargeable to Water Works account.

STATEMENT OF TOTAL RECEIPTS AND DISBURSEMENTS
ending 31st

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND.—*contd.* and brought forward ...				1,81,04,942 12 6
DEPOSITS—*contd.* and brought forward			1,11,47,823 8 3	
Deposits from Contractors, &c.—				
In Cash— Rs. a. p.				
(*a*) From Contractors ... 4,14,860 0 3				
(*b*) ,, Private parties received through Departmental Officers. 1,26,801 9 8				
(*c*) Other Deposits 1,64,007 14 11				
	7,05,669 8 5			
In Government Paper kept in Office	1,31,900 0 0			
In Government Paper lodged at the Bank of Bombay	1,06,900 0 0			
On account of work performed for private parties ...	15,457 13 0			
		9,59,927 5 5		
Government of Bombay on account of Income Tax...		24,292 2 10		
Profit on Sale of Stores	5,786 5 4			
Miscellaneous Receipts, Stores Department—Supervision Charges on Stores sold	328 7 4			
		6,114 12 8		
Court Attachments		2,026 2 11		
Interest realized on Government, &c., paper lodged by the Municipal Employés, Contractors, &c. ...		5,552 12 3		
(Government of Bombay) Land Conveyance, Licenses, &c.—				
Through Chief Accountant on account of License Fees, Badges, &c.		21,687 13 0		
Securities of Municipal Employés and Contractors returned by the Bank of Bombay for payment (kept in office)	1,09,200 0 0			
Paper Deposits from Municipal Employés and Contractors pending submission to the Bank of Bombay (kept in office)	2,93,100 0 0			
Contractors' securities held under objection	3,000 0 0			
Deposit on account of Mr. Kassamalli Jairajbhai Peerbhai's fountain at the junction of Hornby Road and Palton Road	5,000 0 0			
		4,10,300 0 0		
			14,29,900 7 1	
Bombay Improvement Trust for land transferred ...			15,004 0 0	
Cheques Payable			2,43,17,489 15 9	
				3,69,10,217 15 1
			Total Rs. ...	5,50,15,160 11 7

W. E. WAITE,
Chief Accountant.

(including Transfers) of the BOMBAY MUNICIPALITY for the year March 1912—*concld.*

	Rs a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
MUNICIPAL FUND—*contd.* and brought forward ...				1,58,38,073 5 3
DEPOSITS—*contd.* and brought forward			1,31,16,353 9 0	
Deposits from Contractors, &c.—				
In Cash— Rs. a. p.				
(*a*) From Contractors 4,02,369 14 4				
(*b*) ,, private parties received through Departmental Officers. 92,569 5 2				
(*c*) Other Deposits 1,86,496 4 0				
	6,81,435 7 6			
In Government Paper kept in Office	1,19,000 0 0			
Do. lodged with the Bank of Bombay...	1,09,200 0 0			
On account of work performed for private parties ...	22,308 6 11			
		9,31,943 14 5		
Government of Bombay on account of Income Tax ...		23,951 6 0		
Profit on Sale of Stores	7,520 0 0			
Miscellaneous Receipts, Stores Department—Supervision Charges on Stores sold	144 1 9			
		7,664 1 9		
Court Attachments		2,027 8 11		
Interest realized on Government, &c., Paper lodged by the Municipal Employés, Contractors, &c.		5,780 5 2		
(Government of Bombay) Land Conveyance Licenses, &c.—				
Through Chief Accountant on account of License Fees, Badges, &c...		22,076 15 0		
Securities of Municipal Employés and Contractors returned by the Bank of Bombay for payment (kept in office)	1,09,200 0 0			
Paper Deposits from Municipal Employés and Contractors pending submission to the Bank of Bombay (kept in office)	2,88,600 0 0			
Contractors' securities held under objection	3,500 0 0			
		4,01,300 0 0		
			13,94,744 3 3	
Book value of Municipal land at Agripada, &c., transferred to the Improvement Trust			15,004 0 0	
Cheques Payable			2,42,80,712 6 1	
				3,88,06,814 2 4
				5,46,44,887 7 7
Cash Balance (in Bank and Office Treasuries) on 31st March 1912				3,70,273 4 0
			Total ...Rs.	5,50,15,160 11 7

P. R. CADELL,
Municipal Commissioner.

Appendix

STATEMENT showing the Principal Liabilities on account of Street Improvement incurred at rates finally made

Name of the Party.	Locality.	Actual area acquired.	AS ORIGINALLY	
			Rate per square yard.	Compensation for Land.
			Rs. a. p.	Rs. a. p.
Mr. Mahomed Ebrahim Coor	Parel Road, Bhendi Bazar	32·56	75 0 0	2,442 0 0
Shri Girdharlalji Tricamlalji Maharaj jointly with Messrs. Charandas Chaturbhuj and Jibhai Keval.	Junction of 3rd Bhoiwada Lane and Bhuleshwar Street.	52·67	120 0 0	6,320 6 5
Messrs. Burjor Rustomji and Jahangir C. Watcha.	Lohar Street	18·33	50 0 0	916 8 0
Mr. Hemraj Khetsey	327, Dongri Street	4·17	100 0 0	417 0 0
Messrs. Moreshwar Rajaram Vaidya and Dwarkanath Rajaram Vaidya.	Lady Jamshedji Road	120·50	4 0 0	482 0 0
„ Tayaballi Abdul Hussein and Ebrahim Abdul Hussein (Minors.)	Parel Road, Bhendi Bazar	5·38	100 0 0	538 0 0
„ Vithal Dinanath and Krishnarao Dinanath and widow of Vishwanath Dinanath.	Fanaswadi Street	28·86	20 0 0	577 3 2
Mr. Keshawji Deokaran	Sonapur Lane	20·92	15 0 0	313 12 10
„ Jahangir Manekji Contractor	Junction of Churni Road and Khetwadi Main Road.	61·59	30 0 0	1,847 11 2
Bai Cooverbai Kaikhasroo Alpaiwala ...	Bhoiwar Lane, Fort	35·01	30 0 0	1,050 4 10
Messrs. Casumji Salebhai, Heptulla Essufalli and Teheralli Essufalli.	Wodehouse Road	66·94	40 0 0	2,677 9 7
Mr. Merwanji Dadabhoy Chamarbagwalla.	Suparibag Road	327·58	8 0 0	2,620 10 8
„ Erachji Edulji Madon	Do.	182·42	8 0 0	1,459 5 9
„ Do.	Do.	44·75	8 0 0	358 0 0
Bai Dinbai, widow and administratrix of Nowroji Bamji.	Do.	133·33	8 0 0	1,066 10 8
Bai Sundrabai Sadanand and Krishnabai Sadanand Phaterpekar and Mr. Temulji Dhanjibhai Mistri.	Girgaum Road	31·66	30 0 0	949 12 10
Mr. Fakirji Nanabhoy Chaina	Parel Road, Bhendi Bazar	9·76	100 0 0	976 0 0
„ Noor Mahomed Khanbhoy	Memonwada Road	19·22	30 0 0	576 9 7
Messrs. Mahomedalli Lookmanji, Sharafalli Mamuji, Hassonalli Sulemanji and Mahomedalli Hakimji, Executors.	Mirza Street	6·97	60 0 0	418 3 2
Mr. Tribhowandas Varjivandas	Junction of Girgaum Back Road and Churni Road.	4·75	30 0 0	142 8 0
The Associacao Goana deMutuo Auxilis Ld.	Junction of Girgaum Road and Burrows Lane.	13·05	40 0 0	522 0 0
Messrs. Haji Sidick Haji Ebrahim Nurani and Salemohomed Haji Ahmed Nurani.	Kambekar Street	6·63	40 0 0	265 3 2
„ Esufalli Adamji and Ismailji Adamji.	Junc. of Grant Road and Bapty Road ...	181·74	50 0 0	9,087 0 0
Mr. Haji Habib Haji Karim	Memonwada Road	9·48	50 0 0	474 0 0
	Carried over ...	1,418·27		36,498 7 0

No. 14.

originally sanctioned and at rates which were subsequently increased and on which payments were during 1911-12.

PROPOSED.		AS SUBSEQUENTLY SANCTIONED AND PAID				REMARKS.
Compensation for Structure.	Total.	Rate per square yard.	Compensation for Land.	Compensation for Structure.	Total.	
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
.....	2,442 0 0	145 0 0	4,721 3 2	.....	4,721 3 2	
7,580 0 0	13,900 6 5	450 0 0	23,701 8 0	7,580 0 0	31,281 8 0	
.....	916 8 0	60 0 0	1,099 12 10	.....	1,099 12 10	
.....	417 0 0	125 0 0	521 4 0	.....	521 4 0	
213 0 0	695 0 0	5 0 0	602 8 0	213 0 0	815 8 0	
568 0 0	1,106 0 0	145 0 0	780 1 7	568 0 0	1,348 1 7	
969 0 0	1,546 3 2	25 0 0	721 8 0	969 0 0	1,690 8 0	
704 0 0	1,017 12 10	30 0 0	627 9 7	704 0 0	1,331 9 7	
.....	1,847 11 2	42 0 0	2,586 12 6	*207 2 3	2,793 14 9	* Interest at 6 per cent. on Rs. 2,540-8-5 from 14th March 1910 to 22nd July 1911.
1,743 0 0	2,793 4 10	40 0 0	1,400 6 5	1,743 0 0	3,143 6 5	
1,032 0 0	3,709 9 7	50 0 0	3,347 0 0	1,032 0 0	4,379 0 0	
462 0 4	3,082 10 7	16 0 0	5,241 4 6	462 0 4	5,703 4 10	
344 11 5	1,804 1 2	16 0 0	2,918 11 6	344 11 5	3,263 6 11	
.....	358 0 0	16 0 0	716 0 0	.....	716 0 0	
309 14 3	1,376 8 6	16 0 0	2,133 4 6	309 14 3	2,443 2 9	
.....	949 12 10	40 0 0	1,266 6 5	.....	1,266 6 5	
660 0 0	1,636 0 0	145 0 0	1,415 3 2	660 0 0	2,075 3 2	
1,015 0 0	1,591 9 7	50 0 0	961 0 0	1,015 0 0	1,976 0 0	
492 0 0	910 3 2	80 0 0	557 9 7	492 0 0	1,049 9 7	
.....	142 8 0	54 0 0	256 8 0	.....	256 8 0	
.....	522 0 0	60 0 0	783 0 0	.....	783 0 0	
400 0 0	665 3 2	60 0 0	397 12 10	400 0 0	797 12 10	
7,025 0 0	16,112 0 0	120 0 0	21,808 12 10	7,025 0 0	28,833 12 10	
290 0 0	764 0 0	84 0 0	796 5 1	290 0 0	1,086 5 1	
23,807 10 0	60,306 1 0		79,361 8 6	24,014 12 3	1,03,376 4 9	

Appendix

STATEMENT showing the Principal Liabilities on account of Street Improvement incurred at rates finally made

Name of the Party.	Locality.	Actual area acquired.	AS ORIGINALLY	
			Rate per square yard.	Compensation for Land.
			Rs. a. p.	Rs. a. p.
	Brought forward . .	1,418·27		36,498 7 0
Messrs. Abdulalli Caderbhoy, Noormanji Essoofally Kaderbhoy, Noormanji Tabatally, Mohomedally Salebhai Mahomedally, a minor, and Ashmaboo, wife of Hatimbhai Essufalli and Sakirboo, wife of Mahomedalli Kadarbhai.	Parel Road, Bhendi Bazar	11·68	100 0 0	1,168 0 0
Mr. Ahmed Saleman	Parel Road, Bhendi Bazar	7·70	120 0 0	924 0 0
„ Mukundram Harprasad, Attorney of Goswami Shri Gokulnathji Maharaj.	Junction of Cow Lane and Mugbhat Lane...	291·89	20 0 0	5,837 12 10
Messrs. Saleman Haji Hussein, Jethabhai Narsi, Meghji Khetsi, Manekji Jethabhai, Mulji Ghellabhai, Lalji Vasanji, Chapsi Cooverji and Padamji Rustamji Mistri.	Parel Road and Bhendi Bazar	31·18	100 0 0	3,118 0 0
The Trustees of the Jairajbhai Pirbhoy Trust.	Junction of Samuel and Tantanpura Streets.	59·64	100 0 0	5,964 0 0
Messrs. Haji Cassum Joosab and Haji Alli Mohomed Haji Cassum and Mahomed Haji Suleman, the surviving co-partners.	Currey Road	57·05	12 0 0	684 9 7
Mr. Haji Essoof Haji Esmail Soobhani ...	Parel Chawl Road	121·12	10 0 0	1,211 3 2
„ Girdhardas Govindji, Trustee of the estate of Giridhardas Govindji and Dharamsey Giridhardas.	Dadyshet Agiary Street	20·29	30 0 0	608 11 2
Mullaji Saheb Syedna Abdulla Bhai Badroodin.	Abdul Rahiman Street	62·35	240 0 0	15,585 0 0
Mr. Haji Sidik Haji Summar	Kambekar Street	4·89	80 0 0	391 3 2
„ Haji Ahmed Haji Hasam	Oak Lane	19·62	80 0 0	1,569 9 7
Rai Bahadur Kasturchand Abirchand ...	Shaik Memon Street	10·05	250 0 0	2,512 8 0
Messrs. Haji Umar Haji Alli Mohomed, Haji Ahmed Haji Alli Mohomed, Haji Abdula Haji Alli Mohomed and Haji Mussa Haji Abubakar.	Junction of Parel Road and Banian Street..	36·83	150 0 0	5,524 8 0
Mr. Haji Karamalli Mahomed Jaitha ...	Umarkhadi 1st Street...	43·77	20 0 6	875 6 5
		2,196·33		82,472 14 11

				Rs. a. p.
Average rate per square yard for compensation of land as originally sanctioned				37·55 or 37 8 10
Do.	do.	do.	do. as subsequently do.	63·28 or 63 4 5
Do.	do.	do.	for structure as originally do.	15·31 or 15 4 11
Do.	do	do.	do. as subsequently do.	24·23 or 24 3 9
Do.	do.	do.	for total amount originally do.	52·86 or 52 13 9
Do.	do.	do.	do. subsequently do.	87·51 or 87 8 2, or 65·55.

W. E. WAITE,
Chief Accountant.

No. 14.

originally sanctioned and at rates which were subsequently increased and on which payments were during 1911-12.

PROPOSED.		AS SUBSEQUENTLY SANCTIONED AND PAID.				REMARKS.
Compensation for Structure.	Total.	Rate per square yard.	Compensation for Land.	Compensation for Structure.	Total.	
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
3,807 10 0	60,306 1 0	.....	79,361 8 6	24,014 12 3	1,08,376 4 9	
778 0 0	1,946 0 0	180 0 0	2,102 6 5	778 0 0 *105 0 0	2,985 6 5	* Half the amount of interest on the amount.
801 0 0	1,725 0 0	125 0 0	962 8 0	801 0 0	1,763 8 0	
576 0 0	6,413 12 10	25 0 0	7,297 4 0	576 0 0	7,873 4 0	
1,539 0 0	4,657 0 0	180 0 0	5,612 6 5	1,539 0 0	7,151 6 5	
.....	5,964 0 0	125 0 0	7,455 0 0	16,433 0 0 *2,559 12 11	26,447 12 11	* Interest at 6 per cent. on Rs. 23,847-1-10 from 14th February 1910 to 28th November 1911.
.....	684 9 7	18 0 0	1,026 14 5	224 0 0	1,250 14 5	
.....	1,211 3 2	20 0 0	2,422 6 5	*67 2 6	2,489 8 11	* Half the Court's costs.
.....	608 11 2	40 0 0	811 9 7	.....	811 9 7	
.....	15,585 0 0	275 0 0	17,146 4 0	.....	17,146 4 0	
.....	391 3 2	100 0 0	489 0 0	.....	489 0 0	
2,150 0 0	3,719 9 7	100 0 0	1,962 0 0	2,150 0 0	4,112 0 0	
.....	2,512 8 0	400 0 0	4,020 0 0	.....	4,020 0 0	
1,810 0 0	7,334 8 0	190 0 0	6,997 11 2	1,810 0 0	8,807 11 2	
2,172 0 0	3,047 6 5	30 0 0	1,313 1 7	2,172 0 0	3,485 1 7	
33,633 10 0	1,16,106 8 11	.....	1,38,980 0 6	53,229 11 8	1,92,209 12 2	

P. R. CADELL,
Municipal Commissioner.

Appendix

Income of the Bombay Municipality from the year 1865

TAXATION PROPER.

Year.	Gross Valuation.	House Rate.	Police Rate.	Lighting Rate.	Wheel Tax and Tolls.	Licenses for trades, Land Conveyances, Music, etc.	Town Duties.	Liquor Licenses.	Tobacco Licenses.		Contribution from Insurance Companies or Fire Tax.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.
1865	1,20,14,655	10,57,379	....	....	2,32,698	2,023	5,04,789	1,45,373	....	....	....
1866	1,48,94,893	7,16,004	2,93,683	98,417	3,13,330	2,72,665	5,132	46,924	1,20,390	....	....
1867	1,63,09,535	9,84,068	4,11,040	1,82,849	2,38,178	2,05,536	.....	1,04,838	1,18,426	....	....
1868	1,47,49,075	9,20,587	3,75,607	2,46,071	2,68,514	2,08,820	....	1,20,566	1,36,762	....	....
1869	1,39,41,260	7,99,306	2,59,583	2,48,406	2,57,574	1,50,351	3,03,298	2,49,077	1,51,178	....	....
1870	1,36,20,885	7,22,783	2,37,643	2,46,994	2,50,581	28,147	5,94,989	1,23,693	1,39,830	....	....
1871	1,34,26,845	6,75,489	2,30,409	2,30,256	2,05,521	7 655	4,51,496	1,15,170	1,28,046	....	....
1872	1,29,33,510	7,09,953	2,41,774	2,41,348	2,04,097	5,862	4,67,638	59,914	1,47,654	....	....
1873	1,26,71,816	7,01,013	2,37,282	2,37,050	2,16,053	87	4,46,924	2,79,074	1,48,792	....	....
1874	1,19,65,390	5,94,814	2,29,102	2,27,525	2,48,217	3,908	4,85,649	1,24,607	1,47,779	....	16,519
1875	1,15,65,066	5,52,738	2,20,569	2,16,632	2,45,274	591	6,72,987	1,58,980	1,45,956	....	14,355
1876	1,12,75,710	5,73,458	2,17,684	2,13,094	2,38,487	2,113	6,36,147	1,41,725	1,48,356	....	13,922
1877	1,14,77,690	5,47,541	2,20,061	2,14,670	2,44,369	1,948	7,51,019	85,697	1,49,562	....	19,164
		Consolidated Rate.									
1878	1,15,37,118	....	9,35,034	....	2,14,560	....	6,95,006	1,60,565	1,52,229	....	22,573
1879	1,14,93,417	....	10,52,773	....	2,25,569	3 563	5,33,617	1,43,759	1,65,029	....	20,761
1880	1,17,82,525	....	8,99,634	....	2,31,925	846	6,57,784	1,43,750	1,61,127	....	23,911
1881	1,17,14,470	@8°/o	10,58,810	....	2,31,866	1,502	6,37,482	1,43,750	1,61,625	....	24,059
					For 15 months, i. e., from 1st January 1882 to 31st March 1883, the calendar						
1882-83	1,25,80,263	....	12,34,975	....	4,12,027	....	8,17,199	1,43,750	2,06,014	....	32,009
1883-84	1,45,64,507	@8°/o	9,83,538	....	2,55,227	3,417	6,67,113	1,79,687	1,74,306	....	24,708
1884-85	1,53,82,744	Do.	11,80,307	....	3,09,552	4,305	7,73,431	1,43,750	1,72,622	....	....
1885-86	2,00,25,223	Do.	14,61,305	....	3,32,485	4,525	6,79,293	1.43,750	1,79,177	....	29,914
1886-87	2 16,27,230	@8½°/o	14,88,867	....	3,19,561	3,913	10,12,152	1,43.750	1,90,250	....	29,776
1887-88	2,27,92,346	@8°/o	14,07,013	....	3,36,993	4,050	9,93,750	1,43,750	1,84,168	(a) fire tax	37,857
1888-89	2,39,51,043	Do.	14,66,024	....	3,14,571	45,471	7,25,897	1,43,750	1,91,297	@½°/o	34,708
1889-90	2,73,64,359	Do.	15,82,509	....	3,25,616	52,792	6,67,065	1,43,750	1,9^,922	....	(a) 79,187
1890-91	2,82,27,355	Do.	15,64,932	....	3,56,648	60,451	9,79,520	1,43,750	1,80,284	@⅓°/o	1,25,345
1891-92	2,85,80,023	Do.	17,55,081	....	3,42,973	75,101	8 40,222	1,43,750	1.86,151	Do.	1,64,263
1892-93	2,64,03,982	Do.	17,78,501	....	3,44,905	79,376	9,73,928	1,43,750	1,86.703	Do.	1,65,838
1893-94	2,69,79,728	Do.	17,49,321	....	3,51,175	85,817	8,97,256	1,43 750	1,86,829	@½°/o	1,10,504
1894-95	2,76,13,741	Do.	17,49,385	....	3,56,082	95,137	8,88,542	1,43 750	2,05,343	Do.	1,09,325
1895-96	2,82,56,881	Do.	17,67,000	....	3,65,525	96 335	9,10,851	1,43,750	2,17,475	Do.	1,10 437
1896-97	2,89,27,618	Do.	17,45,829	...	2,46,681	74,085	6,45,141	1,43,750	1,82,867	Do.	1,09,138
1897-98	2,94,82,805	Do.	19,35,325	....	3,46,838	88,663	9,51,424	1,43,750	1.89 323	D .	1,20,961
1898-99	2,98,53,636	@9°/o	21,06.995	....	3,39,197	87,754	11,17,161	1,43,750	2.08,544	Do.	1,17,219
1899-1900 ..	3,05,17,091	@12°/o	28,74,389	....	3,02,748	90,346	15,94,721	1,43,750	2,21,338	Do.	1,20,127
1900-1901 ..	3,13,75,106	Do.	28,94,971	....	3,21,366	95,702	11,31,371	1,43,750	2,16,939	Do.	1,20,647
1901-02	3,18,11,625	@10°/o	25,72,001	....	3,40,747	92,733	8,62,123	1,43,750	2.33.965	Do.	1,27,570
1902-03	3,18,91,400	Do.	25,81,510	....	3 71,013	1 02,070	12,19.346	1,43,750	2,44 092	Do.	1,29,049
1903-04	3,44,49,599	Do.	27,64,974	....	3,98,070	1,05,511	11,68,973	1,43,750	2,40 064	Do.	1,38,163
1904-05	3,54,15,934	Do.	30,26,572	.....	4,19,587	1.03,772	14,16,943	1,43,750	2,60,744	Do.	1,51,302
1905-06	3,81,90,177	@8⅓°/o	27,55,778	....	4,48,343	98,923	11,68,450	1,43,750	2,72,779	@⅓°/o	1,20,057
1906-07	4,14,48,901	Do.	29,58,345	....	4,42,749	1,03,221	13,34,074	1,43 750	2,65 828	Do.	1,28,631
1907-08	4,42,79,940	@8°/o	29,74,517	....	4,29,892	1,06.284	13,90,203	1,43,750	2,80.355	Do.	1,39,329
1908-09	4,68,75,766	Do.	31,47,349	....	4,79,857	1,19,278	12,96,320	1,43,750	2,78,890	Do.	1,47,522
1909-10	4,94,44,987	@9½°/o	38,05,816	....	5,01,553	97,754	14,23,491	1,43,750	2,80,614	Do.	1,63,267
1910-11	5,20,51,478	@10⅝°/o	43,61,660	....	4,72,198	99,314	16,86,660	1,43,750	2,59,907	@½°/o	2,15,094
1911-12.. ..	5,36,02,464	Do.	47,42,693	....	4,69,487	1,13,777	12,47,097	1,43,750	2,78,896	Do.	2,33,627

W. E. WAITE,
Chief Accountant.

No. 15.

to close of the financial year 1911-1912.

Total Taxation Proper.	Service rendered.		Total service rendered.	Miscellaneous.		Total Income.	Year.	Population by Census.	Incidence of taxation per head of population.	Five years' average annual Income.
	Halalkhore Tax.	Water Tax.		Government contribution for Police and City Improvement Trust.	Returns from Property and Miscellaneous.					
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			Rs. a. p.	
19,42,762	....	1,78,719	1,78,719	....	2,42,306	23,63,787	1865	8,16,562	2 9 6	
18,66,545	1,92,852	6,49,121	8,41,973	....	2,06,154	29,14,672	1866	....	3 5 1	
23,44,905	1,45,824	3,73,006	5,18,830	1,50,000	1,26,789	30,40,524	1867	....	3 6 1	31,12 976
22,76,927	3,91,454	4,98,377	8,89,831	2,60,129	4,25,787	38,52,674	1868	....	3 14 0	
24,18,773	2,30,562	3,62,998	5,93,560	1,09,882	2,71,011	33,93,226	1869	....	3 11 0	
23,44,659	2,13,197	3,66,986	5,80,183	1,09,882	2,73,025	33,07,749	1870	.....	3 9 3	
20,44,042	1,99,986	3,57,578	5,57,564	....	2,69,554	28,71,160	1871	. ..	3 2 11	
20,78,240	2,17,071	4,07,835	6,24,906	....	3,45,185	30,48,331	1872	6,44,405	4 3 1	31,06,534
20,66,275	2,00,590	4,00,639	6,01,229	. ..	4,56,604	33,24,108	1873	.....	4 7 2	
20,78,020	1,92,235	3,63,087	5,55,322	....	3,47,980	29,81,322	1874	....	4 1 4	
22,28,085	1,94,215	3,00,212	4,94,427	90,000	3,31,014	31,43,526	1875	....	4 3 7	
21,84,986	2,04,077	3,08,377	5,12,454	90,000	3,90,283	31,77,723	1876	....	4 2 11	
22,34,031	2,01,299	3,11,823	5,13,122	90,000	4,04,299	32,41,452	1877	....	4 4 2	32,09,805
21,79,968	1,95,380	2,92,780	4,88,160	90,000	3,87,025	31,45,153	1878	....	4 2 2	
21,45,062	2,42,015	3,54,798	5,96,813	90,000	5,09,299	33,41,174	1879	....	4 4 0	
21,18,977	2,03,047	3,90,703	5,93,750	75,000	4,64,173	32,51,870	1880	....	4 3 4	
22,59,094	2,81,805	5,24,819	8,06,624	50,000	7,57,976	38,73,694	1881	7,73,196	3 15 5	
being changed to the financial year, the income was as follows:—										
28,45,965	3,28,916	6,70,677	9,99,593	91,125	6,75,575	46,12,240	1882-83	....	4 15 6	39,37,843
22,87,996	2,43,557	5,47,647	7,91,204	85,672	5,72,400	37,37,272	1883-84	....	3 15 8	
25,83,967	2,89,616	5,96,123	8,85,739	90,000	6,54,162	42,13,868	1884-85	....	4 7 9	
28,30,449	3,16,787	6,65,370	9,82,157	90,000	5,71,367	44,73,973	1885-86	....	4 14 10	
31,88,299	3,18,630	7,74,651	10,93,281	....	6,20,214	49,01,814	1886-87	....	5 8 7	
31,10,581	3,72,256	8,83,724	12,55,982	....	7,99,967	51,66,530	1887-88	....	5 10 4	49,70,136
29,21,718	3,90,039	9,63,804	13,53,843	....	6,90,632	49,65,193	1888-89	....	5 8 5	
30,41,841	4,73,919	11,23,006	15,96,925	....	7,03,403	53,42,169	1889-90	....	5 15 11	
34,10,930	5,27,222	11,49,198	16,76,420	....	(a) 10,78,551	61,65,901	1890-91	....	6 9 3	
35,07,542	5,55,877	11,81,429	17,37,306	....	9,88,335	62,33,183	1891-92	8,21,764	6 6 1	
36,68,001	6,22,200	14,07,081	20,29,281	....	9,75,661	66,72,943	1892-93	....	6 14 11	64,74,819
35,24,652	5,82,026	13,86,828	18,68,854	....	(b) 13,69,189	67,62,695	1893-94	.....	6 9 0	
35,47,569	6,81,557	13,88,265	20,69,822	....	9,21,981	65,39,372	1894-95	....	6 13 4	
36,11,373	6,57,812	14,42,895	21,00,707	....	(c) 10,49,630	67,61,710	1895-96	....	6 15 2	
31,47,494	6,88,486	13,98,410	20,86,896	....	9,74,588	62,08,978	1896-97	....	6 5 10	
37,76,284	7,35,485	13,29,852	20,65,337	....	(d) 13,03,939	71,45,560	1897-98	....	7 1 8	72,21,595
41,20,620	7,13,122	15,00,970	22,14,092	....	8,27,199	71,61,911	1898-99	....	7 11 4	
53,47,419	7,25,264	17,72,967	24,98,231	....	9,84,167	88,29,817	1899-1900	....	9 8 9	
49,24,736	7,14,440	17,35,635	24,50,075	....	10,28,037	84,02,848	1900-01	....	8 15 7	
43,71,989	7,88,439	15,47,120	23,35,559	....	10,59,181	77,66,729	1901-02	7,76,006	8 10 3	
47,90,830	7,95,984	15,13,976	23,09,960	....	10,74,898	81,75,688	1902-03	....	9 2 4	84,32,800
49,59,505	8,10,610	15 71,566	23,82,176	....	11,40,944	84,82,625	1903-04	....	9 7 4	
55,22,670	8,75,194	17,14,453	25,89,647	....	12,23,794	93,36,111	1904-05	....	10 7 3	
50,06,080	9,32,655	18,57,780	27,90,435	....	12,96,024	90,92,539	1905-06	....	10 0 9	
53,76,598	9,91,382	19,38,429	29,29,791	....	13,42,112	96,48,501	1906-07	9,77,822	8 7 10	
54,64,330	10,46,874	19,48,830	29,95,704	....	14,29,290	98,89,324	1907-08	....	8 10 5	1,00,26,055
56,12,966	11,19,322	20,04,189	31,23,411	....	15,49,671	1,02,86,048	1908-09	....	8 14 11	
64,16,245	11,92,346	20,11,788	32,04,134	....	15,93,485	1,12,13,864	1909-10	....	9 13 5	
72,38,583	12,32,951	19,95,327	32,28,278	....	17,29,288	1,21,96,149	1910-11	9,79,445	10 11 0	1,24,25,969
72,29,327	12,92,697	20,79,120	33,71,817	....	20,54,645	1,26,55,789	1911-12	....	10 13 2	

(a) Includes Rs. 2,32,544 for arrear recoveries for work done.
(b) Rs. 4,58,699 adjusted on account of premia on loans.
(c) Includes premia of Rs. 97,749 on loan raised.
(d) Includes rebate of plague expenses amounting to Rs. 4,37,055.

P. R. CADELL,
Municipal Commissioner.

Appendix

Expenditure of the Bombay Municipality from the

Year.	General Superintendence.	Assessment and Collection.	Fire Brigade.	Public Works (Engineering) Department.	Public Health Department.	General Stores.	Pensions and Gratuities.	Police Charges.	Education.	Medical Relief.	Debt.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1865	94,354	1,26,472	Not traceable.	31,52,722	8,15,914	Not traceable.	345	1,41,931	....	....	....
1866	1,31,623	58,638		13,32,917	14,40,293		14,430	3,96,169	....	....	20,554
1867	61,337	71,531		17,38,626	14,26,321		2,580	4,25,423	....	....	73,360
1868	70,990	87,602	22,708	12,29,594	10,45,862	9,012	3,733	4,17,083	....	....	2,19,977
1869	1,09,379	1,25,691	23,318	12,51,429	8,57,425	8,312	5,634	3,25,637	....	....	3,81,368
1870	1,32,202	1,12,458	30,896	13,73,897	8,29,784	8,046	10,354	4,24,905	....	....	4,46,187
1871	1,22,853	1,13,851	31,361	16,11,527	7,84,485	6,482	7,758	5,90,579	7,948	....	4,75,704
1872	1,15,930	1.38,354	34,435	12,83,987	7,61,854	*	7,221	3,27,209	9,321	....	2,52,971
1873	1,16,575	1,41,308	20,546	10,70,919	7,96,860	*	6,996	3,40,892	10,000	....	5,06,270
1874	1,11,360	1,29,023	25,316	10,53,829	7,38,139	*	8,030	3,44,325	10,000	....	5,09,023
1875	1,13,902	1,36,708	20,063	9,90,091	7,42,958	*	8,691	3,52,920	10,000	36,000	7,15,561
1876	1,09,189	1,42,267	37,754	9,70,195	7,07,681	....	11,157	3,57,734	10,000	36,000	7,09,127
1877	1,10,164	1,43,672	24,193	8,96,548	7,49,550	....	8,301	3,54,535	10,000	36,000	6,27,792
1878	1,15,597	1,44,467	27,517	8,13,057	7,90,481	....	8,008	3,61,581	15,000	36,000	8,66,223
1879	1,21,997	1,34,372	23,980	8,35,687	8,04,295	....	12,084	3,64,804	17,000	36,000	6,91,903
1880	1,28,493	1,37,726	24,800	8,86,191	7,52,410	....	7,749	3,59,166	17,500	36,000	6,42,880
1881	1,28,951	1,52,107	29,242	9,16,699	7,98,021	....	8,658	3,57,752	17,500	20,435	7,47,209
							For 15 months from 1st January 1882 to 31st March 1883, the calendar				
1882-83	1,82,715	1,87,358	73,665	14,01,108	10,14,785	....	12,803	4,54,034	28,125	34,948	12,28,882
1883-84	2,01,021	1,49,817	55,389	10,55,338	9,15,316	....	40,833	2,62,508	22,500	27,832	8,12,061
1884-85	1,65,258	1,64,917	64,977	11,51,551	9,19,967	....	23,293	3,61,748	22,500	34,512	7,37,608
1885-86	1,66,827	1,84,717	43,854	12,34,529	9,95,607	....	18,318	3,59,223	23,700	31,349	7,87,527
1886-87	1,73,090	2,17,134	70,904	13,03,859	10,10,118	....	19,133	2,61,914	32,604	48,386	8,93,553
1887-88	1,70,945	2,12,138	69,670	13,64,393	10,75,735	....	30,531	2,61,348	1,34,715	40,753	23,27,682
1888-89	1,69,223	1,98,820	1,12,328	14,91,041	11,56,410	....	19,470	2,59,140	50,982	36,857	14,90,115
1889-90	1,77,133	1,92,643	93,907	13,62,241	11,96,577	....	29,139	2,58,285	60,358	35,246	14,85,711
1890-91	1,82,198	2,23,854	1,29,291	15,92,034	13,02,064	....	32,117	2,58,285	68,646	38,601	15,52,139
1891-92	1,91,028	2,41,002	88,671	15,92,073	12,92,529	....	33,890	2,58,285	80,722	50,284	16,37,405
1892-93 .. .	1,90,920	2,52,123	1,47,694	17,72,512	13,01,563	....	29,845	3,63,625	87,565	49,576	21,97,233
1893-94	2,29,517	2,42,413	1,06,315	15,41,703	13,39,614	....	37,500	3,30,272	88,015	52,476	21,27,457
1894-95	2,11,621	2,47,771	1,14,144	16,67,335	13,70,168	....	46,568	3,74,022	87,290	61,456	20,26,571
1895-96	1,99,317	2,40,990	1,15,991	17,31,317	13,75,234	....	48,452	5,01,096	88,481	56,260	21,19,651
1896-97	1,99,641	2,43,159	1,07,654	15,55,649	14,09,867	....	58,601	5,51,589	88,889	53,101	20,56,122
1897-98	2,14,792	2,50,483	1,18,508	16,10,387	15,86,633	....	70,096	5,00,000	1,02,624	54,233	22,60,571
1898-99	2,10,380	2,57,182	1,09,076	14,19,617	16,89,174	....	56,866	5,01,013	1,14,776	55,201	24,81,138
1899-1900	1,97,643	2,72,850	1,17,098	16,01,898	20,30,444	....	66,034	5,00,000	1,11,990	54,997	23,40,269
1900-01	2,28,044	3,26,719	1,18,639	17,01,178	21,68,479	....	75,929	6,02,455	1,11,930	58,977	25,03,311
1901-02	2,13,036	2,94,004	1,21,728	15,71,437	20,07,064	....	56,440	5,00,022	1,12,513	57,000	26,56,575
1902-03	2,16,767	2,92,339	1,10,182	15,30,956	20,05,939	....	68,852	5,97,504	1,10,474	56,290	27,11,361
1903-04	2,34,069	2,99,459	1,24,119	16,65,761	19,79,374	....	57,487	5,00,381	1,12,858	54,625	29,18,564
1904-05	2,29,315	3,18,017	1,34,282	18,81,039	18,46,402	15,904	74,384	5,01,076	1,59,763	57,000	28,23,563
1905-06	2,43,603	3,24,580	1,23,986	19,54,844	19,91,160	19,269	71,778	5,00,000	1,61,420	57,606	29,82,971
1906-07	3,06,306	3,29,381	1,28,015	19,39,665	21,16,791	27,369	75,303	5,01,862	1,65,815	56,218	31,77,715
1907-08	2,59,564	3,66,403	1,69,574	21,17,200	22,87,706	31,328	74,395	1,38,450	2,65,350	4,50,151	32,26,943
1908-09	2,71,046	3,73,684	1,71,607	23,93,213	24,34,002	29,456	65,623	....	2,76,685	4,64,535	32,98,247
1909-10	3,09,102	3,69,460	1,62,138	23,91,606	23,64,080	30,859	69,817	....	2,93,256	4,62,579	33,77,184
1910-11	2,89,088	3,85,546	1,75,990	24,28,929	21,03,537	31,063	84,294	....	4,17,124	4,64,416	36,07,569
1911-12	2,93,600	3,75,204	1,74,706	24,92,972	21,40,626	33,054	86,701	....	4,20,311	4,72,858	37,14,629

* Combined with Controller's Office.

W. E. WAITE,
Chief Accountant.

No. 15 (A).

year 1865 to the year 1911-1912.

Contribution to the Bombay Improvement Trust.	Public Gardens.	Stores, Plant and Live Stock.	Municipal Building Fund.	Road Improvement Fund.	Investments Fund.	Plague Expenses.	Miscellaneous.	Total.	Year.	Five years' average annual Expenditure.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.
....	....	5,10,250	....	....	....	....	1,17,345	49,59,333	1865	
....	....	82,059	....	....	....	....	1,25,249	36,01,922	1866	
....	....	2,70,545	....	....	....	....	1,16,623	42,16,346	1867	38,77,203
....	....	3,32,722	....	....	....	....	37,775	34,77,058	1868	
....	....	....	....	....	....	....	42,665	31,31,353	1869	
....	....	....	....	....	....	....	23,416	33,92,185	1870	
....	....	....	....	....	....	....	53,213	38,04,661	1871	
....	27,273	....	....	....	....	....	(a) 1,57,333	31,16,888	1872	32,69,595
....	11,857	....	....	....	....	....	22,354	30,44,577	1873	
....	14,473	....	....	....	....	....	46,645	29,90,663	1874	
....	18,282	....	....	....	....	....	(b) 1,19,851	32,65,027	1875	
....	21,638	....	....	....	....	....	47,696	31,60,438	1876	
....	20,221	....	....	....	....	....	55,559	30,36,535	1877	31,68,669
....	21,190	....	....	....	....	....	71,103	32,70,224	1878	
....	17,709	....	....	....	....	....	51,791	31,11,122	1879	
....	20,756	....	....	....	....	....	44,321	30,57,992	1880	
....	19,463	....	2,50,000	....	....	....	(c) 3,52,835	37,98,872	1881	
being changed to the financial year, the expenditure was :—										
....	26,969	....	50,000	19,000	....	....	38,740	47,53,632	1882-83	38,41,465
....	20,263	....	20,000	....	....	....	33,934	37,15,812	1883-84	
....	22,738	....	801	....	....	....	(d) 2,11,150	38,31,020	1884-85	
....	23,864	....	99,199	....	....	....	98,226	40,66,940	1885-86	
....	38,326	....	49,779	....	....	....	57,562	41,76,362	1886-87	
....	42,123	....	50,221	....	....	....	32,436	58,12,690	1887-88	48,59,931
....	48,939	....	55,577	....	....	....	(e) 1,12,356	52,01,258	1888-89	
....	65,153	....	24,459	....	3,000	....	58,553	50,42,405	1889-90	
....	87,805	....	28,907	....	3,113	....	1,85,807	56,84,861	1890-91	
....	77,225	....	27,905	....	3,274	....	2,07,780	57,92,073	1891-92	
....	96,964	....	....	....	3,386	....	52,506	65,45,512	1892-93	62,69,972
....	(f) 2,80,453	....	....	....	5,64,872	....	23,321	69,63,528	1893-94	
....	93,969	....	....	....	44,086	....	28,485	63,73,486	1894-95	
....	64,028	....	....	....	1,46,180	....	15,519	67,02,516	1895-96	
....	60,312	....	....	....	1,42,601	4,37,055	35,503	70,04,743	1896-97	
....	71,447	....	....	....	36,478	5,00,000	1,20,712	74,96,969	1897-98	71,87,147
....	74,959	....	....	....	37,425	—5,00,000	(g) { 8,12,546 19,673 }	73,39,026	1898-99	
....	75,250	....	....	....	35,316	— 43,694	32,385	73,92,480	1899-1900	
4,74,605	69,870	....	....	....	58,400	— 922	1,86,444	85,84,058	1900-01	
4,81,000	57,685	....	....	....	59,259	....	38,695	82,26,458	1901-02	
5,00,000	58,874	....	....	....	58,136	....	75,124	84,53,398	1902-03	84,57,384
3,50,000	67,422	....	....	....	33,265	....	34,006	84,31,390	1903-04	
2,50,000	66,092	....	....	....	35,399	1,81,920	57,512	85,91,618	1904-05	
2,50,000	64,751	....	....	....	39,377	2,26,538	(h) 3,62,359	93,74,242	1905-06	
3,00,000	64,735	....	....	....	39,626	2,43,044	18,945	95,20,790	1906-07	
3,56,081	75,158	....	....	....	44,445	1,95,517	1,30,930	1,91,89,201	1907-08	1,02,22,281
4,50,000	92,905	....	....	....	47,843	2,23,328	37,952	1,06,30,126	1908-09	
7,80,000	98,964	....	....	....	1,21,917	2,00,915	(i) 3,65,173	1,13,97,050	1909-10	
8,35,000	91,210	....	....	....	49,473	1,87,234	1,31,399	1,12,81,872	1910-11	1,13,83,217
8,65,000	76,091	....	....	....	57,633	1,55,903	1,25,274	(j) 1,14,84,562	1911-12	

(a) Includes write-off for loss in stores of Rs. 1,45,993.
(b) Includes Rs. 50,000 for visit of H. R. H. the Prince of Wales.
(c) Includes special adjustment of Rs. 3,24,827 for re-arranging the different loan funds.
(d) Includes loss of Rs. 1,84,774 on the sale of the Panwel Brick Factory.
(e) Includes Rs. 62,048 by loss on sale of investments.
(f) Includes Rs. 1,94,565 for land acquired.
(g) Write-off on account of frontage lands in Agripada.
(h) Includes contribution of Rs. 3,00,000 towards celebrating the visit of T. R. H. the Prince and Princess of Wales.
(i) Includes charges for grain compensation and local allowance and the loss sustained on the sale of unserviceable stores written-off.
(j) Excludes Rs. 5,00,000 transferred from revenue for writing off a portion of the Plague expenditure advanced from Loan Funds.

P. R. CADELL,
Municipal Commissioner.

Appendix No. 16.

CONTRASTED STATEMENT OF INCOME AND EXPENDITURE OF THE BOMBAY MUNICIPALITY FROM 1865 TO 1911-12.

YEAR.	Income.	Expenditure.	Difference.	
			More.	Less.
	Rs.	Rs.	Rs.	Rs.
1865	23,63,787	49,59,333	.....	25,95,546
1866	29,14,672	36,01,922	.....	6,87,250
1867	30,40,524	42,16,346	.....	11,75,822
1868	38,52,674	34,77,058	3,75,616	.....
1869	33,93,226	31,31,358	2,61,868	.....
1870	33,07,749	33,92,185	.....	84,436
1871	28,71,160	38,04,661	.....	9,33,501
1872	30,48,331	31,15,888	.....	67,557
1873	33,24,108	30,44,577	2,79,531	.....
1874	29,81,322	29,90,663	.....	9,341
1875	31,43,526	32,65,027	.....	1,21,501
1876	31,77,723	31,60,438	17,285	.....
1877	32,41.452	30,36,535	2,04,917	.....
1878	31.45,153	32,70,224	.....	1,25,071
1879	33,41,174	31,11,122	2,30,052	.....
1880	32,51,870	30,57,992	1,93,878	.....
1881	38,73,694	37,98,872	74,822	.....
From 1st January 1882 to 31st March 1883 (15 months).	46,12,240	47,53,632	.....	1,41,392
1883-1884	37,37,272	37,15,812	21,460	.....
1884-1885	42,13,868	38,81,020	3,32,848	.....
1885-1886	44,73,973	40,66,940	4,07,033	.....
1886-1887	49,01,814	41,76,362	7,25,452	.....
1887-1888	51,66,530	58,12,690	.....	6,46,160
1888-1889	49,66,193	52,01,258	.....	2,35,065
1889-1890	53,42,169	50,42,405	2,99,764	.....
1890-1891	61,65,901	56,84,861	4,81,040	.....
1891-1892	62,33,183	57,82,073	4,51,110	.....
1892-1893	66,72,943	65,45,512	1,27,431	.....
1893-1894	67,62,695	69,63,928	.....	2,01,233
1894-1895	65,39,372	63,73,486	1,65,886	.....
1895-1896	67,61,710	67,02,516	59,194	.....
1896-1897	62,08,978	70,04,743	.....	7,95,765
1897-1898	71,45,560	74,96,969	.....	3,51,409
1898-1899	71,61,911	73,39,026	.....	1,77,115
1899-1900	88,29,817	73,92,480	14,37,337	.....
1900-1901	84,02,848	85,84,058	.....	1,81,210
1901-1902	77,66,729	82,26,458	.....	4,59,729
1902-1903	81,75,688	84,53,398	.....	2,77,710
1903-1904	84,82,625	84,31,390	51,235	.....
1904-1905	93,36,111	85,91,618	7,14,493	.....
1905-1906	90,92,539	93,74,242	.....	2,81,703
1906-1907	96,48,501	95,20,790	1,27,711	.....
1907-1908	98,89,324	1,01,89,201	.....	2,99,877
1908-1909	1,02,86,048	1,06,30,126	.....	3,44,078
1909-1910	1,12,13,864	1,13,97,050	.....	1,83,186
1910-1911	1,21,96,149	1,12,81,872	9,14,277	.....
1911-1912	1,26,55,789	*1,14,84,562	11,71,227	.....

* This is exclusive of Rs. 5,00,000 utilized towards writing off a portion of the Plague Expenditure.

W. E. WAITE,
Chief Accountant.

P. R. CADELL,
Municipal Commissioner.

REVENUE.

Report on the working of the Assessment and Collection Department for the year 1911-12 by B. D. Banaji, Esq., Assessor and Collector, forwarded with his No. 9847, dated 27th May 1912.

1. The total amount collected under all Heads, exclusive of Tolls, Miscellaneous Receipts and Fees, was Rs. 85,65,972-1-8 against the estimate of Rs. 81,99,677, a difference of Rs. 3,66,295-1-8, detailed as under :—

Taxes.	Estimate.	Actual collections including adjustments.			Increase.		
	Rs.	Rs.	a.	p.	Rs.	a.	p.
General Tax...	47,60,000	50,19,728	9	1	2,59,728	9	1
Water Tax*	19,48,000	20,23,128	12	5	75,128	12	5
Halalkhor Tax	12,76,000	13,09,369	7	8	33,369	7	8
Wheel Tax (Private)...	2,15,677	2,13,745	4	6	—1,931	11	6
Total ...	81,99,677	85,65,972	1	8	3,66,295	1	8

* Exclusive of Meter Hire and receipts by the Hydraulic Engineer.

2. As compared with the total collections for 1910-11, *viz.*, Rs. 80,67,369-5-1, the collections for 1911-12, *viz.*, Rs. 85,65,972-1-8, are more by Rs. 4,98,602-12-7.

3. On the 31st March 1912 the outstandings for property taxes, charges for water by meter, and Wheel Tax (private) were Rs. 70,758-1-7 against Rs. 1,15,338-13-5 on 31st March 1911, of which Rs. 22,949-7-3 have been collected or adjusted up to 25th May 1912, leaving at that date Rs. 47,808-10-4 for recovery for all previous years. Out of this sum Rs. 22,682-10-8 are in dispute on account of valuations, water supply by meter, &c., whilst Rs. 123-15-2 are irrecoverable.

4. Properties in the Assessment Book on 31st March 1912 were 59,721 as under against 59,928 on 31st March 1911, the difference of 207 is due to the cancellation of sub-Nos. of buildings demolished, sites of which are now assessed under the original Ward Nos.—

Buildings	39,177
Saltpans	278
Lands (including Tanks, Wells, etc.)...	20,266
Total ...	59,721

Of this number 50,424 were assessed for the General Tax, 1,987 were exempted under Section 143 (1) (A) (B) of the Municipal Act, 5,838 were not charged the General Tax, being small plots of waste lands, houses marked "Unfit for human habitation," the assessments of which were temporarily reduced to a nominal value of Rs. 6 for which no bills were issued. The number of Municipal properties which are not assessed under Section 143 (1) (b) of the Act is 1,472.

5. The number of buildings newly erected, demolished and enlarged in 1911-12 was 773, 958 and 339 respectively.

6. The Assessments of Properties contrasted with those of 1910-11 were—

A

Year.	Original Assessment (Gross).	Amount after disposal of complaints.		Amount of subsequent reduction during the year by demolition and on complaints.	Gross amount after deduction of subsequent reduction.	Subsequent enhancement (New buildings, enlargements and under Assessments) (Gross).	Total Gross Assessment.	Increase—Final difference over preceding year's gross Assessment.	Rateable Assessment.	Classification of Rateable Assessment.			
		No. of complaints against opening Assessment.	Gross Assessment.							Chargeable with General Tax.	Exempted from General Tax Section 143 (1) (*a*)(*b*).	For which no General Tax bills issued.	Total Rateable Assessment.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1910-11	5,04,10,205	3,978	5,07,04,046	14,43,248	4,92,60,798	27,90,680	5,20,51,478	26,06,491	4,68,59,058	4,46,21,845	22,22,402	14,811	4,68,59,058
1911-12	5,26,75,685	5,737	5,32,00,637	11,48,388	5,20,52,249	15,50,215	5,36,02,464	15,50,986	4,82,55,536	4,60,48,890	21,94,452	12,194	4,82,55,536

7. There were 5,087 complaints against assessments made from the 1st April and 650 complaints against assessments made during the currency of the year, making a total of 5,737 complaints against 3,978 complaints in 1910-11.

8. The following tables give the increases and decreases in property taxes levied as compared with those of 1910-11 :—

General Tax.

B.

1910-11.				1911-12.				
10⅔ per cent.	Compounded sum payable by Government under section 144 (3).	Compounded sum payable by Port Trustees under section 145 (3).	Total of Columns 1, 2 and 3.	10⅔ per cent.	Compounded sum payable by Government under section 144 (3).	Compounded sum payable by Port Trustees under section 145 (3).	Total of Columns 5, 6 and 7.	Increase (Difference between Columns 4 and 8.)
1	2	3	4	5	6	7	8	9
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
42,67,527 10 0	2,32,972 0 0	2,50,565 0 0	47,41,064 10 0	44,12,534 15 3	(a)2,32,835 0 0	2,47,312 0 0	48,92,681 15 3	1,51,617 5 3

N. B.—(a) In addition to this sum, Government paid Rs. 1,58,773, being the amount of arrear contribution for the years 1909-10 and 1910-11.

The amount of General Tax on properties exempted from its payment under Section 143 (1) (*a*) (*b*) is Rs. 2,33,160-9-5 against Rs. 2,36,130-4-11 in 1910-11.

Water Tax.

C.

1910-11.				1911-12.				Difference.			
On rateable value @ 3¾ per cent.	Compounded.	On meter measurement	Total of columns 1, 2 & 3.	On rateable value @ 3¾ per cent.	Compounded.	On meter measurement	Total of columns 5, 6 & 7.	On rateable value (Increase).	Compounded (Increase)	On meter measurement (Increase).	Difference between columns 4 & 8 (Increase)
1	2	3	4	5	6	7	8	9	10	11	12
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
9,73,326 10 9	Rs. 9,565 11 2	Rs. 9,63,282 13 8	Rs. 19,46,175 3 7	Rs. 10,09,190 7 4	Rs. 14,058 11 6	Rs. 9,93,105 10 3	Rs. 20,16,354 13 1	Rs. 35,863 12 7	Rs. 4,493 0 4	Rs. 29,822 12 7	Rs. 70,179 9 6

Halalkhor Tax.

D.

1910-11.			1911-12.			Difference between columns 3 and 6 (Increase).
On rateable value at 3 per cent.	On special service.	Total of columns 1 & 2	On rateable value at 3 per cent.	On special service.	Total of columns 4 & 5	
1	2	3	4	5	6	7
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
10,62,927 4 4	1,89,773 8 7	12,52,700 12 11	11,13,935 12 3	1,92,633 5 9	13,06,569 2 0	53,868 5 1

9. The total demand on account of property taxes amounted to Rs. 82,15,605-14-4 (including Government and Port Trust), to which is to be added Rs. 34,334-14-5 on account of previous years, making a total of Rs. 82,49,940-12-9, from which sum Rs. 49,574-6-3 were allowed as one-fifth Drawback of the General Tax under Section 158 (2) of the Act. The total number of claims for one-fifth Drawback was 7,702.

10. For these taxes 515 bills for Rs. 34,334-14-5 were issued for previous years, and for 1911-12, 78,078 bills for Rs. 76,85,884-8-1 (excluding Government and Port Trust for which no bills are issued, the amounts being paid direct into the Chief Accountant's Office), making a total of 78,593 bills for Rs. 77,20,219-6-6.

11. The outstanding balance for property taxes for all years on 31st March 1911 was Rs. 1,13,571-6-3 and Rs. 1,58,773 were due from Government on account of arrear contributions for the years 1909-10 and 1910-11. During 1911-12 bills for these taxes, amounting to Rs. 77,20,219-6-6, were issued. Government and Port Trust contributions were Rs. 4,80,147 (Rs. 2,32,835 and Rs. 2,47,312). Thus the total demand amounted to Rs. 84,72,710-12-9.

12. Of this amount Rs. 83,52,226-13-2 were collected, *i.e.*, Rs. 2,49,442-8-7 for former years and Rs. 81,02,784-4-7 for 1911-12, leaving uncollected the sum of Rs. 1,20,483-15-7. Deducting from this amount Rs. 52,369-10-7 on account of bills recalled and cancelled, the balance outstanding on 31st March 1912 was Rs. 68,114-5-0.

13. The outstandings on 31st March 1912 were Rs. 4,867-1-6 on account of former years and Rs. 63,247-3-6 for 1911-12, making a total of Rs. 68,114-5-0.

14. *Tax on vehicles and animals.*—The demand on account of the tax on private vehicles and animals for the four quarters ended 31st December 1911 was Rs. 2,15,054-9-0 against Rs. 2,08,845-11-0 for 1910; to the first sum are to be added Rs. 1,767-7-2 outstanding on 31st March 1911 and amended demand aggregating Rs. 241-11-0 for former years, making a total of Rs. 2,17,063-11-2 for recovery. 17,528 bills were issued during 1911-12. The amount collected was Rs. 2,13,745-4-6, leaving Rs. 3,318-6-8 uncollected, of which Rs. 291-13-1 were written off under Standing Committee's Resolutions Nos. 126, dated 5th April 1911, 986, dated 17th May 1911, 3495, dated 14th September 1911, 5607, dated 12th January 1912 and 7110, dated 6th March 1912, and Rs. 382-13-0 were on bills recalled, amended bills being issued, making a total of Rs. 674-10-1 which, deducted from Rs. 3,318-6-8 leaves Rs. 2,643-12-7, outstanding at the end of the year.

15. During the year there were taxed 3,955 four-wheeled vehicles 908 two-wheeled vehicles, 908 vehicles not drawn by horses, 624 motor-cars, 63 motor cycles, 6,908 horses (including those in commission stables), 142 ponies, 1,073 bullocks, 1 mule and 7 buffaloes.

16. The following Table shows the total demands, collections and balances on account of property taxes and tax on private vehicles and animals :—

E.

Year.	Amount to be collected.				Bills written off under Standing Committee's Resolutions and Bills recalled for amendments.	Collections.	Outstanding Balance on 31st March 1912.
	Opening Outstanding Balance.	Arrear—Contributions due from Government for the years 1909-10 and 1910-11.	Demand assessed for the year and for former years.	Total.			
1	2	3	4	5	6	7	8
1911-12.	Rs. a. p. 1,13,338 13 5	Rs. a. p. 1,58,773 0 0	Rs. a. p. 84,16,662 10 6	Rs. a. p. 86,89,774 7 11	Rs. a. p. 53,044 4 8	Rs. a. p. 85,65,972 1 8	Rs. a. p. 70,768 1 7

17. The miscellaneous receipts for Notices, Warrants, Battaki Fees and other small items amounted to Rs. 5,841-3-8 against Rs. 5,751-5-9 in 1910-11. The receipts for Meter Hire were Rs. 30,074-15-7 against Rs. 28,348-0-0 in 1910-11.

18. Certificates of refund of taxes for 1911-12 and for former years were issued as under :—

	Rs.	a.	p.
General Tax	39,016	4	9
Water Tax	6,917	6	3
Halalkhor Tax	17,337	6	9
Wheel Tax	167	5	0
Meter Hire	33	1	0
Notice Fees	0	6	0
Total ...	63,471	13	9

19. There were two appeals to the Chief Judge of the Small Causes Court, which were settled out of Court and withdrawn by the appellants.

20. The right of collecting the Toll at the Mahim and Sion Causeways was sold in 1911-12 for Rs. 21,050 (from 1st August 1911 to 31st July 1912) againt Rs. 21,200 in 1910-11. The total income in 1911-12 under this head was Rs. 21,100 against Rs. 20,500 in 1910-11.

B. D. BANAJI,

Assessor and Collector.

No. 1006 OF 1912-1913.

BOMBAY MUNICIPALITY, 31*st May* 1912.

FROM

SORABJI BOMANJI MASTER, ESQ.,

REVENUE AND REFUND AUDIT OFFICER,

To

P. R. CADELL, ESQ., I.C.S.,

MUNICIPAL COMMISSIONER FOR THE CITY OF BOMBAY.

SIR,

I have the honour to submit the Annual Administration Report of the Revenue and Refund Audit Department for the official year 1911-1912.

I.—REVENUE AUDIT.

I.—ASSESSOR AND COLLECTOR'S DEPARTMENT.

(*a*) *Ward Office.*

2. The balances and books of the 80 Ward-clerks in the seven Wards of the City were duly examined at the end of each quarter. The amount of audit work done on each of these occasions is shown in detail in Appendix **A**.

3. 33,232 bills for Rs. 24,97,301-10-9 were duly checked in detail with the Ward Office Bill Books, Form 16, (every entry in which was subjected to scrutiny) and in totals which were themselves tested with the book kept under para. 9 at page 155 of the Manual which is practically the Ward-clerk's ledger. They were also checked with the Head Office Accounts (Forms 8 and 9) both in details and in totals, respectively.

(*b*) *Head Office.*

4. The Assessment Book in both its parts, one for the general tax and the other for the water and halalkhor taxes, was duly examined, and the exemptions from the payment of the general tax, the water tax and the halalkhor tax were duly checked with a view to ascertain that no property liable to pay any or all of these taxes had escaped assessment.

5. The vehicle and Animal Tax Book, kept under Section 186 of the Act, was also examined, and all the entries therein checked with the quarterly return of the Ward Superintendents, where necessary, also with the owner's returns under Section 187, and with the charges made for the preceding quarters. Appendix **B** gives the details for each Ward.

6. As the year recognized by the Bombay Act VI of 1863 is the calendar year, the revenue from the tax on public land conveyances licensed by the Commissioner of Police under the Act, was also audited for the twelve months from 1st January to 31st December 1911, the certificates of issue of licenses supplied by that officer under arrangements made with him having been duly checked with the Register kept by the Chief Accountant. The following table shows the work done :—

Description of Public Land Conveyances.	Number of certificates or vouchers.	Amount of Revenue including Fees for Licenses, Badges, &c.
		Rs. a. p.
Victorias	3,892	1,05,632 7 0
Riding Hackeries	133	1,745 2 0
Labour Carts	11,438	1,51,603 7 4
Hand Carts	27	165 0 0
Total ..	15,490	2,59,144 0 4

7. The right of collecting the toll, leviable under Section 190 of the Act, on vehicles entering the City from Salsette, is farmed every year for twelve months on the 1st of August, and in pursuance of the conditions of sale, the toll farmer concerned during the year of report supplied a monthly statement of the number of vehicles on which the toll was levied. The statement was checked with the counterfoils of ticket books and with the toll register, kept by the toll farmer in the prescribed form at the respective chowkies on the Sion and Mahim Causeways. Owing to the change in the Contractor, it was not possible to arrange for the audit of the accounts for the month of July during which Rs. 399-0-0 was the toll levied on 3,192 carts at Sion and Rs. 568 on 4,544 carts at Mahim. The work done is shown in the following table :—

Month.	At Sion.		At Mahim.		Total.	
	No. of Carts.	Amount.	No. of Carts.	Amount.	No. of Carts.	Amount.
		Rs a. p.		Rs. a. p.		Rs. a. p.
March 1911	6,468	808 8 0	10,350	1,293 12 0	16,818	2,102 4 0
April „	6,618	827 4 0	9,534	1,191 12 0	16,152	2,019 0 0
May „	7,764	970 8 0	11,600	1,450 0 0	19,364	2,420 8 0
June „	4,902	612 12 0	6,162	770 4 0	11,064	1,383 0 0
August „	10,074	1,259 4 0	5,414	676 12 0	15,488	1,936 0 0
September „	13,548	1,693 8 0	6,736	842 0 0	20,284	2,535 8 0
October „	12,564	1,570 8 0	8,100	1,012 8 0	20,664	2,583 0 0
November „	7,746	968 4 0	8,526	1,065 12 0	16,272	2,034 0 0
December „	7,378	922 4 0	8,736	1,092 0 0	16,114	2,014 4 0
January 1912	9,246	1,155 12 0	10,344	1,293 0 0	19,590	2,448 12 0
February „	8,178	1,022 4 0	10,176	1,272 0 0	18,354	2,294 4 0
Total ...	94,486	11,810 12 0	95,678	11,959 12 0	1,90,164	23,770 8 0

8. Appendix **C** shows the number of claims to one-fifth drawback under Section 158 (2) of the Act, which were scrutinized by this office during 1911-1912.

9. All the alterations in the rateable value and in demand made through the increase and decrease forms were duly checked with the Tabulated Ward Reports (Form 13), which contained your orders as to such alterations and with your separate sanctions recorded in the Audit Note Book kept in this office.

10. The number of complaints against valuations under Section 163 of the Act heard was: 256 B Ward, Mandvi; 368 E Ward, Byculla; 102 F Ward, Parel; and 172 G Ward, Mahim. The total number of decisions on complaints against amendments under Section 167 of the Act, which were scrutinized by this office, amounted to 362 from all the seven Wards of the City.

11. Twenty-four irrecoverable bills for Rs. 258-8-1, as per details given in the subjoined table, were scrutinized and submitted to you in the prescribed form for action under Section 216 of the Act.

Ward.	Number of Bills.	Amount.		
		Tax on vehicles and animals.	Process fee.	Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.
A	9	124 0 0	7 11 0	131 11 0
B	1	10 15 7	.....	10 15 7
C	1	9 4 2	.....	9 4 2
D	4	51 13 4	.....	51 13 4
E	7	41 12 0	.....	41 12 0
F	2	13 0 0	.....	13 0 0
Total ...	24	250 13 1	7 11 0	258 8 1

The Standing Committee sanctioned these being written off in their Resolutions Nos. 986, 3495, 5607 and 7110, dated 17th May 1911, 14th September 1911, 12th January 1912, and 6th March 1912, respectively.

12. The demands, collections and balances at the close of the year, as duly audited in the manner contemplated by the Manual, are summarized below :—

——	The General tax.	The Water tax.	The Halalkhor tax.	The Vehicle and Animal tax.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
I.—Total demands including Rs. 6,38,920-0-0 paid by Government and Port Trust in lieu of the General tax.	55,34,342 10 9	22,08,687 13 11	14,16,619 5 4	2,19,089 13 2	93,78,739 11 2
II.—Deduct bills recalled which were either cancelled or for which amended bills were issued.	4,86,795 3 1	1,62,740 0 6	89,773 8 3	2,408 15 0	7,41,717 10 10
III.—Net demand for collection.	50,47,547 7 8	20,45,947 13 5	13,26,845 13 1	2,16,680 14 2	86,37,022 0 4
IV.—(*a*) Collection paid into the Treasury, including departmental adjustments.	50,19,728 9 1	20,23,128 12 5	13,09,369 7 8	2,13,745 4 6	85,65,972 1 8
(*b*) Irrecoverable bills written off.	.....	.....	.....	291 13 1	291 13 1
(*c*) Balance at the close of the year.	27,818 14 7	22,819 1 0	17,476 5 5	2,643 12 7	70,758 1 7
Total of IV ...	50,47,547 7 8	20,45,947 13 5	13,26,845 13 1	2,16,680 14 2	86,37,022 0 4

13. The collections were checked with the totals of the Chief Accountant under each head and the balances by an examination of the bills actually on hand in the several ward offices on 1st April 1912. They were found to be correct.

Engineer's Department.

14. The revenue books kept in the General, Streets and Buildings, Water Works and Drainage Branches of the Executive Engineer's Office were duly checked each month with the permits, receipts, vouchers and other papers supporting the several entries therein, the object of audit being to see that the charges were correctly calculated at rates duly sanctioned and that the collections as shown by the various books were all paid into the Municipal Treasury. The number of vouchers examined was 9,415, representing Rs. 2,38,549-1-6.

Health Department.

15. The revenue books kept in the Health Office, as well as those kept in the seven Deputy Health Officers' Offices from A to G Wards, were duly checked each month with the receipts, vouchers and other papers supporting the entries therein, the object of audit being to ascertain that the amounts collected as shown by the various books were at the rates fixed under due authority, and that they were all paid into the Municipal Treasury. The number of vouchers examined was 21,675, representing Rs. 98,881-8-2.

Vaccination Department.

16. The revenue books kept in the office of the Superintendent of Vaccination were duly checked each month in accordance with your No. 15378 of 26th August 1910 with the receipts and vouchers and other papers (available) supporting the several entries therein, the object of audit being to see that the charges were correctly calculated at rates duly sanctioned, and that the collections as shown by the various books were all paid into the Municipal Treasury. The number of vouchers examined was 1,104, representing Rs. 5,978-8-0.

Licensing Department.

17. The number of licenses for 1911-12, the issue of which was sanctioned by the Commissioner under Sections 394 and 393 of the Act, for the several purposes mentioned in Schedule M (*vide* Appendix **G** to the Annual Report for 1899 and 1900) was 8,014 and brought in a revenue of Rs. 98,843-8-0. Each of these cases passed through this office and was duly scrutinized, particularly with reference to the amount of fee leviable. The Register of the Superintendent of Licenses and the counterfoils of the books were also checked with the Audit Note Books kept in this office in accordance with the Commissioner's No. 3176 of 20th May 1890 and with the counterfoils of the receipts signed by the Chief Accountant's Cashier for the purpose of seeing that the full amount of fee leviable in each case was collected and paid into the Municipal Treasury.

Markets and Slaughter Houses.

18. The Register and accounts kept for the different markets and Bandra Slaughter Houses were duly checked with the counterfoils of receipts issued to stall holders, &c., and with the other vouchers available. The total number of vouchers examined was 8,778, representing Rs. 5,45,836-5-9, which amount appeared duly paid into the Municipal Treasury.

Victoria Gardens.

19. The revenue books kept in the office of the Superintendent of Gardens were duly checked with the counterfoils of receipts issued for the sale of garden produce as well as with the counterfoils of tickets issued for the Elephant and Camel rides in the Victoria Gardens and for admission to the Victoria Gardens on Band days brought into force from 12th October 1910. The number of vouchers examined was 41,045, representing Rs. 9,807-3-11, which amount appeared duly paid into the Municipal Treasury.

Rent bills against the Telephone and Tramway Companies.

20. The audit in connection with these bills, which hitherto used to be made by the Chief Accountant, is done in this office since 1906-07.

General.

21. As the monthly and quarterly audit of several Departments proceeded, the errors, irregularities or omissions, which were discovered in the course of it, were brought to the notice of the Heads of the Departments concerned by means of official communications addressed to them through the Commissioner.

II.—REFUND AUDIT.

I.—Assessment Department.

22. The subjoined table shows the number and amount of claims to refund on account of vacancy under Sections 174 to 179 of the Act and on account of overcollections which were scrutinized and sanctioned by this office in the year under report :—

Ward.	No. of Claims.	Amount of Refund sanctioned.
		Rs. a. p.
A. Fort and Colaba	386	17,549 15 8
B. Mandvi	179	4,180 10 0
C. Bhuleshwar...	289	4,797 8 0
D. Girgaum	313	13,231 5 3
E. Byculla	265	5,014 9 4
F. Parel	145	4,146 9 4
G. Mahim	114	5,944 5 9
Properties owned by the City Improvement Trust	308	8,606 14 5
Total ...	1,999	63,471 13 9

23. The sum of Rs. 63,471-13-9 shown in the above table was sanctioned under the following Heads of Revenue :—

Heads of Revenue.	Amount.
	Rs. a. p.
General Tax	39,016 4 9
Water Tax	6,917 6 3
Halalkhor Tax	17,337 6 9
Vehicle and Animal Tax	167 5 0
Meter Hire	33 1 0
Notice Fee	0 6 0
Total ...	63,471 13 9

Town Duty Refunds.

24. As the Port Trustees and the two Railway Companies send in no Administration Reports of the Town Dues collected by them on behalf of the Municipality, it is usual for this office to submit the two statements, Appendices **D** and **E**, compiled, in so far as the gross collections are concerned, from figures supplied by the Chief Accountant. The following table compares the total results for the year under report with those for the previous year :—

Year.	Gross Revenue.	Total Refunds.	Net Revenue.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
1910-1911	34,49,545 8 0	18,57,376 1 0	15,92,169 7 0
1911-1912	31,48,247 10 8	17,95,040 11 0	13,53,206 15 8

25. The rates of duty were the same as in the year previous.

26. The net revenue exhibits a decrease of Rs. 2,38,962, as compared with the preceding year. Sugar is the chief contributor to this, the variations in the other articles being unimportant. The falling off under the head of sugar amounts to Rs. 2,97,007. That there would be a somewhat heavy depletion in this item in the year of report had been anticipated in the Annual Reports of this office for the previous two years on account of unusually heavy imports during those years, but there was also the mingling of a second cause in the year of report operating in the same direction, *viz.*, the failure of the beet crop in Europe, resulting in a heavy diminution of the total output of sugar, which, in turn, operated adversely upon the stocks in Bombay in a twofold manner, first by diminishing the inpourings, and secondly by creating large draughts upon the stocks for European Markets.

27. The number of refund claims dealt with during the year was 50,906 against 55,161 in the year previous.

Conclusion.

28. In addition to the above, the office had to deal with correspondence of all departments affecting revenue which passes through this office, and with the questions of principle relating to revenue, the importance of which can scarcely be judged by the number of inward and outward references which were respectively 8,568 and 6,331 in the year under report.

I have the honour to be,

Sir,

Your most obedient Servant,

S. B. MASTER,

Revenue and Refund Audit Officer.

Appendix A.

STATEMENT of Balances examined quarterly during 1911-1912.

Number of Ward Clerks.	WARD.	Balances examined on 1st April 1911.		Balances examined on 1st July 1911.		Balances examined on 3rd October 1911.		Balances examined on 3rd January 1912.		Total Balances examined during the year.	
		Number of Bills.	Amount.	Number of Bills.	Amount.	Number of Bills.	Amount.	Number of Bills.	Amount.	Number of Bills.	Amount.
			Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a p.		Rs. a. p.
16	**A**—Fort and Colaba	2,321	80,757 10 9	5,492	4,05,312 13 8	1,426	71,785 7 8	4,146	4,37,416 5 6	13,385	9,95,272 5 7
11	**B**—Mandvi	131	10,330 10 6	2,493	2,71,757 5 9	141	9,842 8 9	2,687	3,01,387 15 8	5,452	5,93,818 8 8
14	**C**—Bhuleshwar	101	5,501 7 5	1,352	1,35,289 10 6	144	35,551 7 1	1,630	1,96,439 4 5	3,227	3,72,781 13 5
11	**D**—Girgaum	128	7,187 5 8	1,318	96,767 4 9	143	12,920 2 5	1,067	1,06,911 13 10	2,656	2,23,786 10 8
13	**E**—Byculla	152	5,614 4 1	1,251	80,216 5 4	185	8,177 3 10	1,154	82,946 0 10	2,742	1,76,953 14 1
7	**F**—Parel	195	2,136 12 2	1,325	34,910 14 2	196	3,882 7 2	858	28,545 0 0	2,574	69,475 1 6
8	**G**—Mahim	270	4,022 10 10	1,298	25,086 0 5	146	12,273 15 2	1,482	25,830 10 5	3,196	65,213 4 10
80	Total ...	3,298	1,16,050 13 5	14,529	10,47,340 6 7	2,381	1,54,433 4 1	13,024	11,79,477 2 8	33,232	24,97,301 10 9

Appendix B.

STATEMENT of entries in the Vehicle and Animal Tax Books checked during 1911-1912.

Ward.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Total.
A	936	1,031	1,087	1,252	4,306
B	601	629	658	691	2,579
C	865	911	968	1,024	3,768
D	1,259	1,337	1,402	1,534	5,532
E	709	769	826	956	3,260
F	288	318	346	383	1,335
G	265	289	304	330	1,188
Total ...	4,923	5,284	5,591	6,170	21,968

Appendix C.

STATEMENT of 1/5 drawback scrutinized during 1911-1912.

Ward.	1st Half of 1911-1912.		2nd Half of 1911-1912.		Total.	
	No. of claims received.	No. of claims admitted.	No. of claims received.	No. of claims admitted.	No. of claims received.	No. of claims admitted.
A ...	390	157	360	164	750	321
B	542	177	458	147	1,000	324
C	909	290	817	336	1,726	626
D	447	155	433	178	880	333
E	965	495	916	472	1,881	967
F	300	159	309	172	609	331
G	443	224	413	265	856	489
Total ...	3,996	1,657	3,706	1,734	7,702	3,391

Appendix D.

STATEMENT contrasting the Collections, Refunds, and Net Revenue from Town Duties for the Years 1910-11 and 1911-12.

NAME OF ARTICLE.	COLLECTIONS.				REFUNDS.								NET REVENUE.			
	1910-11.	1911-12.	Increase in 1911-12.	Decrease in 1911-12.	1910—11.			1911—12.			Increase in 1911-12.	Decrease in 1911-12.	1910-11.	1911-12.	Increase in 1911-12.	Decrease in 1911-12.
					On account of Exports.	On account of articles supplied to Government.	Total.	On account of Exports.	On account of articles supplied to Government.	Total.						
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.				
Grain at annas 4 per Candy	....	....			39,314 0 0			287 13 0								
Do. do. 6 do.	8,22,756 8 8	9,88,014 7 4			3,39,957 9 0			5,20,685 12 0								
Total	8,22,756 8 8	9,88,014 7 4	1,65,257 14 8	....	3,79,271 9 0	....	3,79,271 9 0	5,20,973 9 0	....	5,20,973 9 0	1,41,702 0 0	....				
Flour at annas 3 per Candy	....	....			2,480 15 0											
Do. do. 4½ do.	954 8 0	1,017 14 9			24,546 14 0			33,615 5 0								
Total	954 8 0	1,017 14 9	63 6 9	....	26,977 13 0	....	26,977 13 0	33,615 5 0	....	33,615 5 0	6,637 8 0	....	4,17,461 10 8	4,34,443 8 1	16,981 13 5	....
Sugar, at annas 8 per Cwt.	17,39,022 8 8	12,82,755 13 1	....	5,06,266 11 7	13,42,185 1 0	....	13,42,185 1 0	11,32,926 1 0	....	11,32,926 1 0	....	2,09,259 0 0	4,46,837 7 8	1,49,829 12 1	....	2,97,007 11 7
Wines and Spirits at annas 4 per Imperial Gallon	2,61,553 13 0	2,47,953 4 1	....	13,600 8 11	23,238 8 0	....	23,238 8 0	27,620 15 0	....	27,620 15 0	4,382 7 0	....	2,38,315 5 0	2,20,332 5 1	....	17,982 15 11
Beer at 6 pies per Imperial Gallon ..	37,136 12 0	39,320 12 3	2,184 0 3	....	25,892 13 0	....	25,892 13 0	27,802 11 0	....	27,802 11 0	1,909 14 0	....	11,293 15 0	11,518 1 3	224 2 3	....
Shee at annas 10 per Bombay Maund ..	2,81,971 5 2	2,90,479 5 6	8,508 0 4	....	27,283 8 0	....	27,283 8 0	20,879 13 0	....	20,879 13 0	....	6,403 11 0	2,54,687 13 2	2,69,599 8 6	14,911 11 4	....
Timber at 2½ per cent. on Market Value..	1,85,851 11 5	2,26,649 15 10	40,798 4 5	....	32,526 13 0	....	32,526 13 0	31,222 5 0	....	31,222 5 0	....	1,304 8 0	1,53,324 14 5	1,95,427 10 10	42,102 12 5	....
Firewood at annas 2 per Candy	70,248 5 1	72,056 1 10	1,807 12 9	....	....	....	....	....	....	....	....	....	70,248 5 1	72,056 1 10	1,807 12 9	....
			2,18,569 7 2	5,19,867 4 6 2,18,569 7 2							1,54,631 13 0	2,16,967 3 0 1,54,631 13 0			76,028 4 2	3,14,390 11 6 76,028 4 2
Total Rs. ..	34,49,545 8 0	31,49,247 10 8		3,01,297 13 4	18,57,376 1 0		18,57,376 1 0	17,95,040 11 0		17,95,040 11 0		62,335 6 0	15,92,169 7 0	13,53,206 15 8		2,38,962 7 4

Appendix E.

STATEMENT contrasting the Imports, Exports and Balance of the several articles subject to Town Duty during the year 1911-1912 with those for 1910-1911.

NAME OF ARTICLE.	IMPORTS.						EXPORTS AND SUPPLY TO GOVERNMENT BY CONTRACTORS.								BALANCE (LOCAL CONSUMPTION AND STOCK).			
	1910-1911.		1911-1912.		Increase in 1911-1912.	Decrease in 1911-1912.	1910-1911.			1911-1912.			Increase in 1911-1912.	Decrease in 1911-1912.	1910-1911.	1911-1912.	Increase in 1911-1912.	Decrease in 1911-1912.
							Exports.	Supply to Government.	Total.	Exports.	Supply to Government.	Total.						
Grain at annas 4 per Candy—Candies ..	.....		.....				1,57,256			1,151								
Do. do. 8 do. do. ..	21,94,017		26,34,704				9,06,553			13,88,495								
Total Candies ..		21,94,017		26,34,704	4,40,687	.....		10,63,809	.....	10,63,809		13,89,646	.....	13,89,646	3,25,837	.....		
Flour at annas 3 per Candy—Candies ..	.....		.....				12,965			.....								
Do. do. 4½ do. do. ..	3,393		3,620				87,278			1,19,521					10,01,075	10,90,523	89,448	.....
Total Candies ..		3,393		3,620	227	.....		1,00,243	.....	1,00,243		1,19,521	.....	1,19,521	19,278	.....		
Sugar at annas 8 per Cwt... .. Cwts.		35,78,045		25,65,511		10,12,534		26,84,370	.....	26,84,370		22,65,852	.....	22,65,852	.....	4,18,518	8,93,675	2,99,659	.....	5,94,016
Wines and Spirits at annas 4 per Imperial Gallon.. .. ..Gallons.		10,46,215		9,91,813	.....	54,402		92,954	.....	92,954		1,10,484	.....	1,10,484	17,530	.....	9,53,261	8,81,329	.....	71,932
Beer at 6 pies per Imperial Gallon. Gallons.		11,89,976		12,58,264	68,288	.....		8,28,570	.....	8,28,570		8,89,686	.....	8,89,686	61,116	.....	3,61,406	3,68,578	7,172	.....
Ghee at annas 10 per Bombay Maund. Maunds.		4,51,154		4,64,767	13,613	.....		42,654	.....	43,654		33,408	.....	33,408	.....	10,246	4,07,500	4,31,359	23,859	.....
Timber at 2½ per cent. on Market Value. Value rupees.		74,34,048		90,66,000	16,31,932	.....		13,01,072	.....	13,01,072		12,48,892	.....	12,48,892	.....	52,180	61,32,996	75,17,108	16,84,112	.....
Firewood at annas 2 per Candy—Candies.		5,61,986		5,76,440	14,454	.....		.....	.....	.....		.....	.....	.....	.....	.....	5,61,986	5,76,440	14,454	.....

PUBLIC WORKS.

A.—Introductory Remarks ..... Pages 156 & 157
B.—New Works, General ..... „ 158 to 165
C.—Drainage Loan Works ..... „ 166 to 168
D.—Drainage Ordinary Works ..... „ 169 to 171
E.—Regulations of Streets and Buildings ..... „ 172 to 177
F.—Roads, Footpaths, &c. ..... „ 178 to 180
G.—Public Lighting ..... „ 181 to 183
H.—Workshops and Pumping, Compressor and Ejector Stations ..... „ 184 to 189
I.—General—Important Subjects, Bills, Notices and Correspondence, Summary of Clerical Work, Plague Operations and Municipal Servants' Act ..... „ 190 to 194
J.—Water Works (including the work done by the Special Officer and his staff) ..... „ 195 to 205
K.—Fire Brigade ..... „ 207 to 210
L.—Gardens ..... „ 211 to 215
M.—Victoria and Albert Museum ..... „ 217 to 219

Note.—The report on Public Works—**A** to **I**—is by James W. Mackison, Esq., B.Sc., A.M.I.C.E., Executive Engineer, Municipality, forwarded with his letter No. G-3087, dated the 30th May 1912.

The report on Water Works—**J**—is by H. J. Trivess Smith, Esq., A.M.I.C.E., M.I.M.E., Hydraulic Engineer, forwarded with his letter No. W3518, dated the 1st June 1912.

The report on Fire Brigade—**K**—is by T. C. Greenop, Esq., Chief Officer of the Fire Brigade, forwarded with his letter No. 548, dated the 23rd May 1912.

The report on Gardens—**L**—is by C. D. Mahalaxmiwalla, Esq., Superintendent of Municipal Gardens, forwarded with his letter No. 425, dated the 15th May 1912.

The report on Victoria and Albert Museum—**M**—is by Cecil L. Burns, Esq., the Curator and Secretary, forwarded with his letter No. 36, dated the 24th April 1912.

No. G-3087 of 1912-13.

Executive Engineer's Office,

Bombay, 30*th May* 1912.

To

The Municipal Commissioner

for the City of Bombay.

Sir,

I have the honour to forward herewith the Administration Report of the Department under my control for the year 1911-12 as requested in your No. 161, dated the 1st April 1912.

2. The report is divided under the following heads :—

	Paras.
A.—Introductory Remarks	3 to 23
B.—New Works, &c., General	24 to 78
C.—Drainage, Loan Works	79 to 106
D.—Drainage, Ordinary Works	107 to 136
E.—Regulations of Streets and Buildings	137 to 163
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A.

INTRODUCTORY REMARKS.

ESTABLISHMENT.

3. MR. B. H. HEWETT, A.M.I.C.E., temporarily held the post of the Executive Engineer from the 1st April to 4th June 1911.

4. Under the Corporation Resolution No. 7738, dated the 16th March 1911, I was appointed as Executive Engineer, and in accordance therewith my appointment took effect from the 12th May 1911, *i.e.*, the date of my departure from England.

5. I took charge of my appointment on the 5th June 1911 and continued to hold it till the close of the year.

6. MR. HEWETT and myself were assisted by the following officers in conducting the duties of the different Branches of this Department.

7. MR. NICHOLAS MAUGHAN, A.M.I.C.E., assisted by MESSRS. DINSHA DADABHAI DARUWALA, L.C.E., A.M.I.C.E., and FRAMJI JAMSEDJI BILIA, L.C.E., A.M.I.C.E., Assistant Engineers, Drainage, was in charge of the Drainage Branch.

8. MR. MAUGHAN was granted two months and twenty-seven days' privilege leave from 25th April to 21st July 1911 combined with three months and thirteen days' furlough from 22nd July to 3rd November 1911 and MR. DINSHA DADABHAI DARUWALA acted as Deputy Executive Engineer, Drainage, during that period.

9. From the 1st April to 4th June 1911 MR. T. A. E. THOMPSON, 1st Engineer, Love Grove Pumping and Compressor Stations, held the post of Acting Engineer in charge Mechanical Branch.

10. MR. B. H. HEWETT, A.M.I.C.E., resumed charge of his appointment as Deputy Executive Engineer, Mechanical Branch, on the 5th June 1911 and continued to hold it till the 16th July 1911.

11. The Old Bombay Exhibition Committee having selected MR. HEWETT as the only suitable person to proceed to England to arrange for the purchase of the machinery and adjuncts required for the Exhibition in connection with the Royal Visit to Bombay, he was granted leave of absence for two months from the 17th July to 16th September 1911 on deputation on behalf of the Committee (*vide* Corporation Resolution No. 2184, dated the 15th July 1911).

12. During MR. HEWETT'S absence for the said period MR. NEWMAN TAYLOR, partner in the firm of MESSRS. Macbeth Brothers, was put in charge of the Love Grove Pumping and Compressor Stations and of the works in connection with the New Pumping Station at Love Grove. He visited the stations and works twice a week.

13. MR. W. A. NIVEN was during the same period appointed as Acting Engineer in charge Mechanical Branch, and placed in charge of the Municipal Workshops.

14. MR. HEWETT resumed his appointment on the expiration of the said leave and continued to hold it until the close of the year.

15. MR. G. P. CABLE was appointed to the new post of First Engineer, Love Grove Pumping and Compressor Stations, from the 17th February 1912 and he continued to hold that appointment up to the close of the year.

16. MR. KAIKHUSHRU PESTANJI BHEDWAR, L.C.E., Assistant Engineer, General Branch, assisted by MR. AMRITLAL VITHALDAS THACKER, L.C.E., Road Superintendent, was in charge of the Road Branch. MR. BHEDWAR assisted MR. HEWETT and myself in the supervision of new works in the General Branch of this Department.

17. Mr. AMRITLAL V. THACKER, Road Superintendent, was granted twenty-one days' privilege leave from 5th to 25th February 1912 and Mr. JAYME REBEIRO was appointed to act for him.

18. Mr. THACKER was also granted sick leave from the 18th March to 12th June 1912 and Mr. JAMSHEDJI JIJIBHAI PASTAKIA was appointed to act for Mr. THACKER, during the period.

19. Messrs. NOWROJI HORMASJI KATRAK, L.C.E., A.M.I.C.E., MUNCHERJI EDULJI JOSHI, L.C.E., ATMARAM BHASKER VAIDYA, L.C.E., JAYME REBEIRO, L.C.E., and NASARWANJI DINSHAW MISTRI, L.C.E., Divisional Superintendents, assisted Mr. HEWETT and myself in matters connected with the administration of the Building Sections of the Municipal Act and Bye-laws.

20. Mr. NOWROJI HORMASJI KATRAK was granted three months' privilege leave combined with three months' sick leave from the 24th April 1912 and Mr. NASARWANJI DINSHA MISTRI was appointed to act for him during that period.

21. On the return of Mr. KATRAK from leave Mr. JAYME REBEIRO was reverted to his permanent post of Inspector of Roads and Mr. MISTRI was appointed as *sub-pro tem.* Building Superintendent.

22. Mr. NOWROJI HORMASJI KATRAK was allowed to retire on pension from the 13th March 1912 after a faithful service extending over nearly 29 years and the arrangement to fill up the post vacated by him were under consideration at the close of the year.

23. Mr. MANGALRAO RAMJI MHATRE continued to hold the post of Architectural Surveyor and supervised the preparation of plans and estimates and superintended the construction of new buildings and the maintenance of existing buildings during the year. He also assisted the Department in the execution of works carried out by the General Branch in connection with the erection of tempotary Health Camps and other measures for the suppression of Plague.

B

NEW WORKS, &c.

24. Subjoined is a list of new works each costing over Rs. 3,000.

25. They are divided into two classes as follows :—

(1) Works sanctioned, but not undertaken at the close of the year, and

(2) Works in progress at the close of the year.

LIST OF NEW WORKS EACH COSTING OVER Rs. 3,000.

Consecutive Number.	Description of work.	Sanctioned grant.	Expenditure up to the end of March 1912.	REMARKS.
	WORKS SANCTIONED, BUT NOT UNDERTAKEN AT THE CLOSE OF THE YEAR.	Rs. a. p.	Rs. a. p.	
	Buildings and Sanitary Structures.			
1	Construction of stables and chals for B Ward at Jail Road.	1,92,300 0 0	5,130 2 8	The work has been deferred as plans and estimates are to be modified on account of the set-back line in Jail Road and Umerkhady being altered and sheds are to be provided for accommodating the bigaries who now occupy the existing chawl which is to be removed.
2	Construction of stables and chals for D Ward bullocks and bigaris at Gilder Tank site.	1,20,568 2 7	1,078 8 1	Site not settled.
3	Construction of chals for Halalkhors at Tardeo Flats.	86,400 0 0	1,309 15 3	Plans under preparation.
4	Construction of a stable for bullocks at Mahim.	10,000 0 0	.....	Revised plans and estimates submitted to the Commissioner for aproval.
5	Construction of shops on the Southern and Western sites of the Arthur Crawford Markets.	38,732 0 0	822 7 10	Quotations being invited for providing a temporary railing and plans under preparation for the extension of the Markets and the construction of godowns.
6	New Market at Chaupati ...	75,000 0 0	63 0 0	Site not settled.
7	Construction of 20 rooms of a semi-permanent nature at Babula Tank for the accommodation of Road Bigaries of B & C Wards.	3,788 0 0	.....	Commissioner's sanction to let the work by contract is awaited.

New Works, &c.—(*Continued*).

Consecutive Number.	Description of Work.	Sanctioned Grant.	Expenditure up to the end of March 1912.	Remarks.
		Rs. a. p.	Rs. a. p.	
	WORKS SANCTIONED BUT NOT UNDERTAKEN AT THE CLOSE OF THE YEAR—*contd.*			
	Drainage.			
8	Cutting out rocky barriers in the channel at Love Grove.	16,914 0 0	116 6 0	The work is deferred on account of the proposed diversion of the existing storm-water main drain and the proposed new works at the Love Grove Pumping Station.
	Water Works.			
9	Construction of quarters for the Water Works Office Staff on the Babula Tank site.	21,261 0 0	.....	Work deferred pending the allotment of the reclaimed land at Babula Tank to the different Departments of the Municipality.
	Cemeteries (Burning and Burial grounds).			
10	Building a wall for protecting the Mahim Burning and Burial ground from the inroads of the Sea.	19,953 0 0	114 0 0	The question of the construction of groynes is under consideration.
	WORKS IN PROGRESS AT THE CLOSE OF THE YEAR.			*Probable date of completion.*
	Buildings and Sanitary Structures.			
11	Construction of a bullock hospital for 200 animals with residential quarters for the Inspector and Shalotri at Sankli Tank.	1,54,177 2 1	99,359 5 0	9th May 1912.
12	Construction of chawls for Bigaries at Arthur Road.	1,20,384 0 0	45 12 0	30th April 1913.
13	Construction of a stable for E. Ward, West, at Kamathipura.	75,000 0 0	1,583 12 0	31st August 1912.
14	Construction of 25 bathing places in the City.	35,739 0 0	19,744 12 3	28th February 1913.
15	Construction of buildings for Primary Schools.	5,00,000 0 0	2,42,893 2 6	Do.
16	Construction of a Fire Brigade Station at Elphinstone Bridge Road.	69,930 0 0	50,329 7 1	17th April 1912.
17	Construction of two additional chawls for Bigaris at Chembur.	18,448 0 0	28 11 10	14th September 1912.
18	Providing latrines and urinals in various parts of the City.	62,163 0 0	54,578 15 0	28th February 1913.

New Works, &c.—(*Continued*).

Consecutive Number.	Description of Work.	Sanctioned Grant.	Expenditure up to the end of March 1912.	Probable date of completion.
	WORKS IN PROGRESS AT THE CLOSE OF THE YEAR—*contd.*	Rs. a. p.	Rs. a. p.	
	Buildings and Sanitary Structures—contd.			
19	Construction of latrines and urinals at Princess Street and Victoria Gardens.	12,383 0 0	2,724 1 3	24th April 1912.
20	Construction of latrines and urinals, bathing places and dust-bin stands, &c., at the junction of Khara Tank and Agiary Lane.	23,620 11 2	2,870 14 10	30th April 1912.
21	Construction of a shed for Motors.	4,909 0 0	.....	9th July 1912.
22	Making permanent decorations in the Corporation Hall in the Municipal Office Building.	7,000 0 0	.....	28th February 1913.
23	Repairing the terrace of the Bhuleshwar Market.	4,617 0 0	.....	30th April 1912.
24	Renewing the fence at Hornby Vellard.	5,127 0 0	.....	9th June 1912.
25	Full metalling, &c., of the strip of land about 1,000 ft. in length at Tardeo Flats.	9,870 0 0	2,008 10 3	31st May 1912.
26	Construction of the New Municipal Workshops at Foras Road.	1,38,248 0 0	11,423 9 9	7th September 1912.
	Roads and Overbridges.			
27	Construction of the southern portion of Reay Road from near its junction with De Lima Street to Wari Bunder Road.	3,11,511 7 5	49 6 5	16th April 1913.
28	Overbridge at Elphinstone Road, B. B. & C. I. and G. I. P. Railways.	3,57,762 0 0	2,18,945 10 6	31st December 1912.
29	Overbridge at Currey Road, G. I. P. Railway.	7,16,563 0 0	4,79,522 1 1	30th June 1913.
30	Overbridge at Clerk Road, G. I. P. Railway.	3,34,201 0 0	2,97,903 15 1	30th September 1912.
31	Overbridge at Clerk Road, B. B. & C. I. Railway.	3,03,000 0 0	26,462 5 4	30th September 1913.
32	Overbridge at DeLisle Road, B. B. & C. I. Railway.	10,30,000 0 0	32,289 3 6	31st December 1913.
33	Widening of Cruickshank Road and improvement of the corner of Cruickshank and Esplanade Roads.	43,832 0 0	39,434 6 8	30th April 1912.

New Works, &c.—(*Continued*).

Consecutive Number.	Description of Work.	Sanctioned Grant.	Expenditure up to the end of March 1912.	Probable date of completion.
		Rs. a. p.	Rs. a. p.	
	WORKS IN PROGRESS AT THE CLOSE OF THE YEAR—*contd.*			
	Roads and Overbridges—contd.			
34	Construction of a road from Mount Road through Rose Cottage Lane to Matharpakhadi.	26,805 0 0	.....	28th February 1913.
	Drainage.			
35	Completion of house drainage connection in different parts of the City.	8,57,985 0 9	7,29,568 10 1	Do.
36	Giving street connections to storm-water drains in the City.	17,895 9 3	11,792 5 4	28th February 1912.
37	Construction of a storm-water drain from the junction of Reay and Connaught Roads to the Harbour near Lakdi Bunder.	6,23,473 0 0	4,75,872 14 3	12th June 1912.
38	Measures for relieving the surcharging of sewers.	18,68,632 0 0	9,71,346 7 3	31st May 1912.
39	Provision of Ejectors in Colaba Sub-District.	99,265 0 0	83,399 4 9	28th February 1913
40	Storm-water drain in Parel Road and Connaugnt Road from the foot of the Byculla Bridge to the junction of Reay and Connaught Roads.	3,86,749 0 0	2,26,776 2 0	6th August 1912.
41	Laying 12″ pipe sewer in Girgaum Road between Charni Road and Kandawadi Road.	7,697 0 0	3,293 7 7	28th February 1913.
42	Laying 12″ double pipe drain from the junction of Dadar Road and Naigaum Road to the head of the Low Level Channel.	5,361 0 0	4,520 15 0	Do.
43	Connecting road watering stand post and tank with the Municipal Sewer.	8,000 0 0	7,244 8 11	Do.
44	Opening and examining 9″ pipe sewer in Colaba Road and replacing it by C. I. pipes.	41,200 0 0	30,537 10 10	Do.
	Miscellaneous.			
45	Filling in the Gowalia Tank...	1,77,520 0 0	84,416 7 10	15th May 1912.

NEW WORKS.

26. The following works which have been referred to in the last year's Administration Report were completed at the total costs noted against each :—

	Rs.	a.	p.
Construction of a Primary School building at the Junction of Kumbharwada and Sandhurst Road	1,02,405	8	10
Construction of a Primary School building at Old Nagpada, Memonwada Road.	31,489	7	11
Construction of Offices for F & G Wards, Assessment Department, at Elphinstone Road	11,479	12	3
Additions to the three permanent Wards at the Arthur Road Hospital ...	23,098	3	5
Removing and reconstructing the cattle inspection shed at the Bundar Slaughter Houses	4,299	13	9
Rebuilding a portion of the boundary wall of the Roman Catholic Cemetery at Dharavi	3,427	14	1
Extension of the Sewri Cemetery	19,139	5	1

Constructing a primary school building at the Junction of Morland Road and Sankli Street.

27. This work, which is referred to in the last year's Administration Report, was completed, but the accounts in respect thereof were not finally settled.

28. The certified expenditure on the work up to the 31st March 1912 amounted to Rs. 78,054-1-5.

29. Plans and estimates for the school at Kazi Syed Street, Worli, and Ardeshir Dady Street have been submitted to the Commissioner for approval and those for the Babula Tank School were under preparation.

Construction of 25 bathing places in the City.

30. Tenders for constructing seven bathing places in addition to the four constructed in 1910-11 were invited and the tender of Messrs. Narayan Pandurang & Co., being the lowest of the seven tenders received, was accepted by the Standing Committee under their Resolution No. 1098 of 24th May 1911. Orders to commence the work were issued to the Contractors on the 1st August 1911 and it was completed at the close of the year, but the accounts in respect thereof were not finally adjusted.

31. The certified expenditure on the work upto the 31st March 1912 amounted to Rs. 19,744-12-3.

32. Sites for constructing the remaining 14 bathing places were being selected in consultation with the Executive Health Officer.

Construction of shops on the Southern and Western frontages of the Arthur Crawford Markets.

33. Quotations were being invited for constructing a temporary iron railing and plans were under preparation for the extension of the market and the construction of godowns.

Construction of a market at Kamathipura.

34. This work which is referred to in the last year's Administration Report was completed, but the accounts in respect thereof were not finally settled at the close of the year.

35. The certified expenditure on the work up to the 31st March 1912 amounted to Rs. 49,582-7-11.

Constructing a compound wall, additional bathing places and paving the yard at the Halalkhores' chawls at Valpakhadi.

36. The final accounts for this work which is referred to in the last year's Administration Report were not adjusted at the close of the year as the Executive Health Officer's proposals for the execution of certain extra works were under consideration.

37. The certified expenditure on the work up to the 31st March 1912 amounted to Rs. 12,548-5-11.

Construction of Stables, Dispensary Office, Store-room and Quarters for Shalotri and Veterinary Inspector at Sankli Tank Street.

38. This work which is referred to in the last year's Administration Report was in progress at the close of the year.

39. The certified expenditure on the work up to the 31st March 1912 amounted to Rs. 99,359-5-0.

Construction of a Fire Brigade Station at Elphinstone Bridge Road.

40. Provision was made in the Budget for 1910-11 for the execution of this work out of funds from a new Loan which it was proposed to raise with the sanction of Government.

41. Tenders for the work were invited and that of Messrs. Fazalbhai Deoraj & Co., being the lowest of the five tenders received, was recommended for acceptance. This was not however laid before the Standing Committee as the Government of Bombay disapproved of the proposal to meet the cost of this work out of Loan Funds.

42. A grant of Rs. 69,930 was subsequently sanctioned for this work from the Surplus Cash Balance under the Corporation's Resolution No. 6794 of 6th February 1911 and Messrs. Fazalbhai Deoraj & Co. having expressed their willingness to execute the work at the rates previously tendered by them and the rates being fair and reasonable, the work was entrusted to them in accordance with the Standing Committee's Resolution No. 483 of 26th April 1911. Orders to commence the work was issued to the Contractors on 18th May 1911 and the work was in progress at the close of the year.

43. The certified expenditure on the work up to 31st March 1912 amounted to Rs. 50,329-7-1.

Construction of a protecting wall at Mahim Cemetery.

44. A grant of Rs. 19,953 was provided for this work in the Budget for 1911-12. Tenders were invited for the same and that of Messrs. Fazalbhai Deoraj & Co., being the lowest of four tenders received, was accepted by the Standing Committee under their Resolution No. 653 of 3rd May 1911. Orders to commence the work were issued to the Contractors on the 9th June 1911, but it had to be stopped from the 27th June 1911 as the proposed wall was likely to get rapidly eroded and destroyed by the action of the sea.

45. The question as to whether the groynes found in the sea would help to develop the breach and raise the level of the shore was under consideration at the close of the year.

46. The certified expenditure on the work up to 31st March 1912 amounted to Rs. 114.

Construction of a stable at Kamathipura 10th Street.

47. A grant of Rs. 75,000 was provided for this work in the Budget for 1911-12.

48. Tenders were invited for the work and that of Messrs. Fazalbhai Deoraj & Co., being the lowest of the eight tenders received, was accepted by the Standing Committee under their Resolution No. 3488 of 14th September 1911. Orders to commence the work were issued on the 1st March 1912 and the work was in progress at the close of the year.

49. The certified expenditure on the work up to 31st March 1912 amounted to Rs. 1,583-12-0.

Construction of Offices for D Ward Building and Lighting Inspectors and quarters for Sluicemen at Gowalia Tank.

50. A grant of Rs. 9,928 having been sanctioned for this work under the Corporation's Resolution No. 6092, dated the 9th January 1911, tenders were invited for the same and that of Messrs. S. J. Desai & Co., being the lowest of five tenders received, was accepted by the Standing Committee under their Resolution No. 2584 of 2nd August 1911. Orders to commence the work were issued to the Contractors on the 15th December 1911 and it was completed at the close of the year, but the accounts in respect thereof were not finally adjusted.

51. The certified expenditure on the work up to the 31st March 1912 amounted to Rs. 715-14-8.

Construction of Bigaries' chals at Arthur Road.

52. A grant of Rs. 1,20,384 having been provided for the work in the Budget for 1911-12, tenders were invited for the same and that of Messrs. S. J. Desai & Co., being the lowest of six tenders received, was accepted by the Standing Committee under their Resolution No. 4608 of 15th November 1911. Orders to commence the work were issued to the Contractors on the 1st March 1912 and the work was in progress at the close of the year.

53. The certified expenditure on the work up to 31st March 1912 amounted to Rs. 45-12-0.

Construction of Sweepers' quarters, Dust-bin stand with a shed and a circular bathing place at the junction of Khara Tank and Agiary Lane.

54. A grant aggregating to Rs. 23,620-11-2 was sanctioned by the Municipal Corporation under their Resolutions Nos. 259 of 14th April 1910 and 6795 of 6th February 1911 from the Surplus Cash Balance for (1) Constructing latrines and urinals, (2) providing drainage and water connections, (3) sweepers' quarters; (4) dust-bin stand, and (5) bathing place at Khara Tank. The execution of the first two items of work was entrusted to the Drainage Branch and tenders for the remaining 3 items of work were invited. The tender of Messrs. Abdulalli Karimbhai & Co., being the lowest of 3 tenders received was accepted by the Standing Committee under their Resolution No. 2580, dated the 2nd August 1911. Orders to commence the work were issued on the 1st November 1911 but the work had to be stopped from the 1st January to 31st March 1912 in consequence of an objection raised by Messrs. Little & Co., on behalf of Mr. Hassonalli Hakimji as to (a) the site on which the works were being executed and (b) the easement of light and air.

55. The certified expenditure on the work up to 31st March 1912 amounted to Rs. 2,870-14-10.

Construction of a store-room and godown in the Victoria Gardens.

56. A grant of Rs. 6,817 having been provided in the Budget for 1911-12 for the above-mentioned work tenders were invited and that of Mr. Haji Ahmed Haji Suleman, being the lowest of the three tenders received, was accepted by the Standing Committee under their Resolution No. 1217 of 31st May 1911. Orders to commence the work were issued to the Contractor on the 3rd October 1911 and the same was completed by him at a total cost of Rs. 6,163-5-2.

Providing teakwood ceiling to the three permanent Wards of the Maratha Hospital.

57. A grant of Rs. 4,540 having been sanctioned by the Municipal Commissioner, under his No. 6054 of 12th June 1911, out of the Plague Grant, tenders were invited for the work and that of Messrs. Alikhan Fathekhan & Co., being the lowest of the seven tenders received, was accepted by the Municipal Commissioner under his No. 16825 of 23rd September 1911. Orders to commence the work were issued to the Contractors on the 25th November 1911 and the work was completed by them at a total cost of Rs. 3,107-7-4.

58. An additional grant of Rs. 2,204-2-6 was also sanctioned under the Commissioner's No. 10783, dated the 27th July 1911, for providing gas and lighting arrangements and this work was carried out by the Bombay Gas Co. within the amount sanctioned.

Filling in a portion of the Haines Road Cemetery.

59. A grant of Rs. 5,300 having been provided in the Budget for 1911-12 for this work, tenders were invited. Eight tenders were received and the amounts tendered by Messrs. Harischandra Jagannath and Son and Messrs. Nappu Patramal & Co. being the lowest and the same, the tender of the former firm was recommended by the Commissioner as an encouragement to new contractors and was accepted by the Standing Committee under their Resolution No. 3683, dated the 28th September 1911. Orders to commence the work were issued on the 6th November 1911 and the work was completed at a total cost of Rs. 3,743-14-4.

Construction of permanent quarters for bigaris at Deonar.

60. A grant of Rs. 18,448 having been sanctioned for the work by the Municipal Corporation under their Resolution No. 6792 of 6th February 1911, tenders were invited for the same and that of Messrs. Sorabshah Framji Captain & Co., being the lowest of the three tenders received, was accepted under the Standing Committee's Resolution No. 4254 of 25th October 1911.

61. The contractors having raised a question as to their liability to pay the cost of Municipal Establishment for Supervision in connection with their contract and as they seemed to have misunderstood the terms of their tender, it was decided to allow them to charge in their bills the amount which they had to pay to the Municipality for this item (*vide* Standing Committee's Resolution No. 7490, dated the 22nd March 1912). Orders to commence the work were issued to the Contractors on the 15th March 1912 and the work was in progress at the close of the year.

62. The certfied expenditure on the work up to the 31st March 1912 amounted to Rs. 28-11-10.

Filling in the Babula Tank.

63. This work which is referred to in the last year's Administration Report was in progress at the close of the year.

64. The certified expenditure on the work up to the 31st March 1912 amounted to Rs. 57,516-0-5.

Filling in the Gowalia Tank.

65. A grant of Rs. 1,77,520 having been sanctioned for this work under the Corporation's Resolution No. 3868, dated the 5th October 1911, tenders were invited and that of Messrs. Virji Teju & Co., being the lowest of the eight tenders received, was accepted by the Standing Committee under their Resolution No. 4607, dated the 15th November 1911. Orders to commence the work were issued to the Contractors on the 26th November 1911.

66. The time allowed to the Contractors for the completion of the work is one year ending 25th November 1912. The Contractors having vigorously proceeded with the work it is expected to be completed much in advance of the contract period.

67. The certified expenditure on the work up to the 31st March 1912 amounted to Rs. 84,416-7-10.

Disposal of Town Sweepings in the City, Kurla-Deonar Railway Works.

68. About 1,000 old pine wood sleepers were removed and replaced on the main line by new half-round teakwood sleepers at a cost of Rs. 5,815-8-0.

69. The compound in front of the chals of the unloading staff was levelled, packed, metalled and drained at a cost of Rs. 1,483-10-0.

70. 96 coir matting covers for kutchra wagons and 6 Tarpaulins for drain wagons were prepared during the year at a cost of Rs. 2,093-7-0.

71. The additional area reclaimed during the year was about 8 acres bringing the total area reclaimed to about 144 acres.

72. There were a number of fires on the reclaimed area but in no case there was any loss to Municipal property.

73. There was one accident at the Mahalaxmi Loading Siding on 16th June 1911 when an engine of the kutchra train got derailed while entering the Tardeo siding from the B. B. & C. I. Railway Main line. The Municipality was not however in any way responsible for the derailment.

74. On the 26th March 1912 a cooly boy named Bandia Awaji got his leg injured under a Drain wagon while it was being shunted. His leg was amputated and he was progressing well towards recovery in the Sir J. J. Hospital.

75. Engine detention charges at Rs. 5 per hour per trip were paid to the Railway Co. from time to time as the temporary siding was too long to allow of the shunting operations being completed within the stipulated time of 30 minutes.

76. There was no epidemic during the year and there were only two deaths amongst the labour staff consisting of about 500 people. This indicates that the general health of the staff was in a very satisfactory condition.

77. The maintenance of the school at Deonar was continued by the Mission for the depressed classes and the attendance at the school was fairly good during the year.

78. The General Agreement with the G. I. P. Railway for the haulage of kutchra and the subsidiary agreements with the B. B. & C. I. and G. I. P. Railway Companies for the maintenance of the special sidings at Tardeo and Coorla were completed during the year.

C.

Drainage Loan Works.

MALABAR HILL SECTIONAL SEWERAGE WORKS.

79. No damage of any kind was done either to the Sea Walls or to the Biological Installation during the last rains.

CUTTING OUT ROCKY BARRIERS IN THE CHANNEL AT LOVE GROVE.

80. This work is still held in abeyance, and it is possible that it may be rendered unnecessary owing to the recent developments regarding the disposal of the surface water from the low lands. Reports on the question as to whether the storm-water that now discharges through the Love Grove Sluices into this Channel cannot be diverted into the Low Level Channel No. I, and thence discharged into the sea through the Worli Sluices, aided by a suitable Pumping Plant at the latter place during heavy rains were under consideration at the close of the year.

LARGER EJECTORS IN THE COLABA SUB-DISTRICTS Nos. III, IV & V.

81. The New Ejector Station at Sub-District No. III is working satisfactorily.

82. The excavation for the Ejector Station No. IV has been completed and the erection of Tubbing and Ejectors has been put in hand, while the excavation for Sub-District No. V is in progress.

83. The total certified expenditure up to the end of the year amounted to Rs. 83,399-4-9.

SURFACE DRAINAGE OF HIGH LANDS.

STORM-WATER DRAIN IN REAY ROAD FROM CONNAUGHT ROAD TO THE LAKRI BUNDER.

84. This work has been very nearly completed by the Contractors, Messrs. Dhondiba Hanmantrao, Alli Mahomed & Co. The Contractors have made exceptional progress on these important works with the result that the drain will be available for the monsoon of 1912.

85. The total certified expenditure up to the end of the year amounted to Rs. 4,03,774-7-9.

SEALED SEWAGE MAIN FROM ELPHINSTONE ROAD TO WORLI ROAD.

86. As anticipated in the last year's report, the work was completed on the 23rd April 1911.

87. The total certified expenditure up to the end of the year amounted to Rs. 66,927-13-2.

MEASURES FOR RELIEVING THE SURCHARGING OF SEWERS, CONDENSING TANK AND CHIMNEY.

88. The work of constructing the Chimney was completed on the 25th April 1911.

89. The total certified expenditure up to the end of the year amounted to Rs. 75,221-4-6.

DREDGING AND SCREENING CHAMBERS AT LOVE GROVE.

90. All masonry work in connection with these Chambers are being carried out by the Contractors, Messrs. Teju Kaya & Co., in a satisfactory manner, and the Dredging and Screening Machinery which has been supplied by Messrs. S. Stott & Co. from England, is being fixed by the Municipal Workshops departmentally.

91. The total certified expenditure up to the end of the year amounted to Rs. 2,49,320-8-4.

FOUNDATIONS OF THE NEW ENGINE HOUSE AT LOVE GROVE.

92. These works are being pushed on as fast as possible by the Contractors, Messrs. Teju Kaya & Co., who have also been entrusted with the work of the superstructure of the new Engine House in continuation of their above contract, at the Office estimated rates amounting to Rs. 77,357 under the Standing Committee Resolution No. 7090, dated 6th March 1912. Endeavours are being made to induce the Contractors to finish these works before the setting in of the monsoon.

93. The total certified expenditure upto the end of the year amounted to Rs. 1,09,517-1-0.

EXTENSION OF THE LOW-LEVEL CHANNEL No. II FROM DELISLE ROAD TO DADAR ROAD.

94. During the year under report several pieces of land through which the Channel was constructed under the powers reserved to the Commissioner under Section 222 of he Municipal Act were purchased by the Municipality. There are still some plots which have not yet been actually acquired by the Municipality, but negotiations are going on in this matter with the owners.

95. The total expenditure upto the end of the year amounted to Rs. 2,63,639-1-7.

STORM-WATER DRAIN AND PIPE SEWER IN CURREY ROAD AND DELISLE ROAD, IN CONNECTION WITH THE OVERBRIDGE AT THE CURREY ROAD LEVEL-CROSSING.

96. Tenders for this work were reinvited on the 18th October 1911 and made returnable on the 31st October 1911. Three tenders were received, of which that of Messrs. Napoo Patramal & Co., amounting to Rs. 37,465-2-3, being the lowest, was accepted by the Standing Committee under their Resolution No. 4757, dated 22nd November 1911. The work was commenced on the 8th January 1912, and the contract date for its completion is 8th April 1912. The work is in progress.

97. The total certified expenditure upto the end of the year amounted to Rs. 50-8-0.

DIVERSION OF THE 9" PIPE SEWER IN REAY ROAD.

98. The work was completed on the 3rd June 1911, the contract date for its completion being 8th May 1911.

99. The total certified expenditure upto the end of the year amounted to Rs. 5,419-9-8.

ROOF OF DREDGING & SCREENING CHAMBERS AT LOVE GROVE.

100. Tenders for this work were invited on 16th October 1911. Three tenders were received. Out of these, the tender of Messrs. Geo. Gahagan & Co., amounting to Rs. 12,159-13-7, was accepted under the Standing Committee Resolution No. 4495, dated 8th November 1911. The contract date for completion is 14th June 1912. The work is being carried on satisfactorily.

ROOF OF THE NEW ENGINE-HOUSE AT LOVE GROVE.

101. Tenders for these works were invited and were made returnable on 25th March 1912. Two tenders were received, of which that of Messrs. Geo. Gahagan & Co., amounting to Rs. 12,175, being the lower of the two received, was recommended for acceptance.

STORM-WATER DRAIN IN PAREL ROAD AND CONNAUGHT ROAD, FROM THE FOOT OF THE BYCULLA BRIDGE TO THE JUNCTION OF REAY ROAD AND CONNAUGHT ROAD.

102. Tenders for these works were invited on the 10th of October 1911, and made returnable on the 19th October 1911. Four tenders were received, of which that of Messrs. Dhondiba Hanmantrao, Alli Mahomed & Co., amounting to Rs. 3,26,371·785, being the lowest, was accepted by the Standing Committee under their Resolution No. 4494, dated 8th November 1911. The work was commenced on the 6th December 1911 and the date for its completion has been fixed at 6th August 1912. It is progressing very satisfactorily and is expected to be completed before the monsoon breaks.

103 The total certified expenditure up to the end of the year amounted to Rs. 74,755-8-3.

STORM-WATER DRAIN IN VICTORIA ROAD FROM ITS JUNCTION WITH PAREL ROAD TO 1,400 FT. EASTWARDS.

104. Victoria Road having been widened by the Municipality, a drain in this Road was found necessary, and on the recommendation of the Drainage Engineer, the work of constructing a Storm-Water Drain in Victoria Road was entrusted to Messrs. Dhondiba Hanmantrao, Alli Mahomed & Co., in continuation of their contract for Parel Road and Connaught Road Storm-Water Drain Works, under the Standing Committee's Resolution No. 7088 of 6th March 1912, at an estimated cost of Rs. 24,261. This work is going on satisfactorily and will be completed before the monsoon.

STORM-WATER DRAIN, PIPE SEWER AND OVOID SEWER IN CLERK ROAD, NEAR THE B. B. & C. I. RAILWAY LEVEL-CROSSING.

105. Tenders for this work were invited on the 19th September 1911 and made returnable on the 3rd October 1911. Three tenders were received, of which that of Messrs. Virji Teju & Co., amounting to Rs. 34,927-6-3, being the lowest, was accepted by the Standing Committee under their Resolution No. 4605, dated 15th November 1911. The work was commenced on the 13th December 1911, and the contract date for its completion is 13th March 1912.

106. The total certified expenditure upto the end of the year amounted to Rs. 4,012-1-0.

D

DRAINAGE ORDINARY WORKS.

HOUSE DRAINAGE CONNECTIONS.

107. The street portions of the house drainage connection works in the City were carried out departmentally during the year, 295 connections being made at a total cost of Rs. 12,046-3-9.

108. In addition to these, 96 storm-water connections were made at a cost of Rs. 2,704-11-4.

109. The street connections referred to in the preceding para. relate to (1) new buildings, (2) alterations to existing buildings, and (3) premises in the newly sewered Districts.

110. Several 6-inch branch drains were laid for bringing certain undrained premises within 100 feet of the Municipal sewers, as required by Section 231 of the Municipal Act. About 80 estimates and 1,100 plans were prepared for Notices under Sections 222, 230, 231, 232, 232A and 238 of the Municipal Act.

111. Action was taken under Section 231 of the Municipal Amendment Act, calling upon the owners of the properties comprised in the Malabar Hill sewered district to connect their premises with the new sewers. Of the 56 Notices served, 41 were complied with during the year, and in the remaining 15 cases the works were in progress.

112. The work of remodelling the groups or blocks of buildings draining into common house gullies was continued departmentally, and the following 7 house gullies were remodelled during the year at a cost of Rs. 24,614-14-7, out of advances voted for the purpose, the expense being subsequently recovered from the house-owners as provided under Section 232A of the Municipal Act:—

Serial No.	Job No.	Particulars and situation of General House Gullies.	Estimated Amount.	Actual Cost.	Remarks.
			Rs. a. p.	Rs. a. p.	
1	69A	General house gully between Kazi Street and Ghogari Moholla Street	3,512 0 0	3,168 2 2	
2	70A	General house gully between Kambekar Street and Memonwada Road	3,619 0 0	2,703 13 2	
3	71A	General house gully between Memonwada Road and Chunam Kiln Road	977 0 0	748 14 10	
4	75A	General house gully between Khoja Street and Duncan Road	2,822 0 0	2,813 6 3	
5	79A	General house gully between Northbrook Street and 1st Pathan Street	4,910 0 0	4,404 4 4	
6	83A	General house gully between Northbrook Street, 2nd Kumbharwada and Durgadevi Street	5,256 0 0	4,939 13 6	
7	93A	General house gully between 1st and 2nd Pathan Street	1,177 0 0	1,168 15 7	
			22,273 0 0	19,947 5 10	

113. In all 44 common house gullies have been remodelled upto the end of the year 1911-12, at a total cost of Rs. 69,819-0-2; out of this sum, Rs. 64,173-5-3 have been recovered from the parties by this Department, Rs. 40-4-2 have been written off and efforts are being made to recover the balance Rs. 5,605-6-9.

PROVISION OF MANHOLES AND INSPECTION CHAMBERS OVER STORM-WATER DRAINS.

114. From the grant provided for the purpose, 15 manhole frames and covers, *viz.*, 11 at Cawasji Patel Street and 4 at Islampura, were provided at a cost of Rs. 453-9-6 only. No inspection chambers over storm-water drains were provided this year.

IMPROVED CONCRETE COVERS OVER WATER ENTRANCES.

115. These covers having been found effective, 278 such covers were provided in A Ward, and 51 in E Ward, and their cost was met from Section 5 (*a*) Repairs and Alterations to Drains.

MAINTENANCE AND UP-KEEP OF OPEN MAIN DRAIN AND LOW-LEVEL CHANNELS.

116. A sum of Rs. 3,000 was provided for the work. It was in progress throughout the year. The expenditure amounted to Rs. 2,992-5-1.

117. A sum of Rs. 3,200 was provided for removing the silt and cleaning the above drains and the work was carried out departmentally at a cost of Rs. 3,160-1-11.

118. A sum of Rs. 2,000 was provided for cleaning and maintaining drains attached to Municipal properties, and this work was carried out departmentally at a cost of Rs. 1,603-9-2.

119. A grant of Rs. 1,000 was provided for repairing the underground flushing chambers and cisterns, and this was carried out departmentally at a total cost of Rs. 997-0-6.

120. A sum of Rs. 3,430 was provided for the construction of Relieving Arches for strengthening the Old Main Drain in Falkland Road, near Gole Pitha, and the work was carried out departmentally at a cost of Rs. 2,500-9-4.

PUBLIC LATRINES AND URINALS.

121. The work of constructing latrines and urinals in different parts of the City was entrusted to Messrs. Abdulally Karimbhai & Co. at the close of the year 1910-11, and it was completed by them this year at a cost of Rs. 16,983-1-8.

122. The work of constructing Latrines and Urinals at the Junction of Khara Tank and Agiary Lane was taken up departmentally and is still in progress, the expenditure booked upto 31st March 1912 being Rs. 3,371-4-8.

123. The work of remodelling the urinal near the entrance to the Cloth Market, Champawady, was carried out departmentally at a cost of Rs. 392-14-9 at the risk and cost of the Petty Works Contractors for 1911-12, to whom it was originally entrusted and who failed to carry it out.

124. The work of constructing Latrines and Urinals in Princess Street and Victoria Gardens was entrusted to Messrs. Abdulally Karimbhai & Co. at the close of the year.

125. A sum of Rs. 3,123 was provided in the Budget for the work of experiments for flushing arrangements and providing intermediate water closet at premises Nos. 297-299, Nagdevi Street, but as these premises are shortly to be acquired by the City Improvement Trust for the New Road from the Arthur Crawford Market to Parel Road, the experimental installation was installed in the Municipal Halalkhore Chawls at Cochin Street. The work was completed departmentally at a cost of Rs. 2,741-1-6 and has proved satisfactory.

126. The work of surrounding the Urinals and Latrines with impervious concrete pavement in A to G Wards was taken up and nearly completed departmentally and the expenditure booked upto 31st March 1912 was Rs. 3,382-0-3.

REPLACEMENT OF STONEWARE PIPES IN COLABA SECTIONAL DISTRICT BY CAST-IRON ONES.

127. A further grant of Rs. 5,000 was provided for this work and it was sanctioned and taken in hand in February last. The work is in progress and the expenditure against the grant upto the close of the year amounted to Rs. 1,966-15-7.

CLEANING STORM-WATER DRAINS.

128. This work for which an annual grant of Rs. 6,000 is provided was carried out departmentally during the dry months of the year and the total expenditure incurred thereon amounted to Rs. 5,997-12-2.

PROVIDING STORM-WATER DRAINS.

129. The following five works costing over Rs. 3,000 each were carried out by contract by Messrs. Napoo Patramal & Co., and Messrs. Abdulally Karimbhai & Co., and completed during the year at the cost noted against them :—

Serial No.	Particulars.	Amount available and transfers.	Actual cost.	Savings.	To whom entrusted.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	
1	Constructing a S. W. Drain in Gowalia Tank Road near Khamballa Hotel Lane ...	7,080 0 0	5,144 4 5	1,935 11 7	Messrs. Napoo Patramal & Co.
2	Providing a side drain 240′ long in Chikalwady and a covered drain 2′ × 2′ with water entrances and water tables in Sleater Road	12,345 0 0 —3,943 0 0 8,402 0 0	7,782 6 8	619 9 4	Messrs. Napoo Patramal & Co.
3	Providing masonry channel in the line of the existing water course between Currey Road and Delisle Road.	7,070 0 0	5,285 12 10	1,784 3 2	
4	Providing a storm-water drain in the water course between Ferguson Road and the passage leading to Tulsi Pipe Line Road.	8,667 0 0 —2,000 0 0 6,667 0 0	6,159 11 9	507 4 3	Messrs. Abdulally Karimbhai & Co.
5	Providing masonry channel and Khanki pitching on both sides of the water course at Kalachowki Road and Arthur Road.	10,311 0 0	7,690 0 10	2,620 15 2	
	Total Rs...	39,530 0 0	32,062 4 6	7,467 11 6	.....

130. A sum of Rs. 3,324 was provided in the Budget for the work of constructing a storm-water drain in Arab Lane and this was carried out departmentally at a total cost of Rs. 2,630-6-10.

131. The work of filling in the road side drains and constructing water entrances and water tables in Tardeo Road for which a sum of Rs. 1,450 was provided was entrusted to the Petty Works Contractors Messrs. Ramji Keshevji & Co. The grant was found insufficient and was supplemented by a transfer of Rs. 3,879. This work was completed by them at a cost of Rs. 3,636-0-1, against the total grant of Rs. 5,329.

132. A sum of Rs. 7,697 was provided in the Budget for laying a 12″ pipe sewer in Girgaum Road, between Charni Road and Kandewady. This was taken up departmentally and was in progress upto the end of the year. The total expenditure booked upto 31st March 1912 is Rs. 3,838-13-8. The work is now nearing completion.

133. The work of laying a 12″ double pipe drain from the junction of Dadar Road and Naigaum Road to the head of the low level channel was undertaken departmentally and is now nearly completed. The total expenditure booked upto 31st March 1912 is Rs. 4,727.

134. A sum of Rs. 2,312 was provided in the Budget for remodelling the drainage arrangements of the Erskine Road Fish Market. This work was completed departmentally at a cost of Rs. 2,059-4-2.

MISCELLANEOUS.

135. Works to the extent of about Rs. 47,378-8-3 including the repairs and alterations to and cleaning of sewers and drains generally and making minor additions thereto, and the drainage arrangements of the various Health Camps, &c., were carried out during the year. Out of these, works costing about Rs. 12,544-0-6 were carried out departmentally and the rest were executed through the agency of the Petty Works Contractors.

136. Daily reports in the prescribed form showing the progress made in the work of cleaning main sewers and pipe sewers by means of scrapers and discs were submitted by the Chief Inspector.

E.

Regulations of Streets and Buildings.

137. Building Applications.

Year.	Number of buildings for which plans were received and passed wholly or subject to certain conditions.
1907-1908	3,162
1908-1909	3,827
1909-1910	3,198
1910-1911	3,237
1911-1912	3,404

Notices and Summonses issued.

138. 5,909 Notices were issued on house-owners under various sections of the Municipal Act. This number is less than the previous year's total by 420.

139. Prosecutions were instituted in the Magistrates' Courts in 1,608 cases under the Municipal Act against the house-owners, who failed to comply with the Notices served upon them. In 899 of these cases the parties complied with the Municipal requirements before service of the Summonses which were therefore withdrawn. In 202 cases the parties were warned and discharged. In 390 cases they were convicted and fined, and 117 cases were postponed to dates after the end of the current year. It is again necessary to draw attention to the large number of cases in which the Magistrates admit that the offences have been committed and yet fail to inflict any penalty.

140. The amount of fines realized was Rs. 4,379-5-0.

141. The following statement shows the different sections of the Act under which the offenders were prosecuted and other details of the prosecutions during the year :—

Superintendents of Divisions.	No. of Sections of the Act.	No. of Prosecutions.	Cases withdrawn as the requirements were complied with.	Persons warned and discharged.	Persons convicted and fined.	Cases postponed to next year (1912-13.)	Amount of Fines.
							Rs. a. p.
Superintendent, 1st Division.	231	69	66	...	2	1	6 0 0
	246A	8	5	...	2	1	25 0 0
	247	1	...	...	...	1	.....
	297(3)	8	4	...	1	3	5 0 0
	308	20	19	...	1	...	1 0 0
	311	1	1	...	...	...	.....
	322	20	20	...	...	...	.....
	329	5	3	...	2	...	35 0 0
	347	81	58	1	9	13	175 4 0
	349B	7	4	2	...	1	.....
	349C	2	1	1	...	...	.....
	353A	11	8	...	2	1	45 0 0
	354	20	12	...	6	2	105 0 0
		253	201	4	25	23	397 4 0

Superintendents of Divisions.	No. of Sections of the Act.	No. of Prosecutions.	Cases withdrawn as the requirements were complied with.	Persons warned and discharged.	Persons convicted and fined.	Cases postponed to next year (1912-13.)	Amount of Fines.
							Rs. a. p.
Superintendent, 2nd Division...	231	20	16	...	4	...	101 8 0
	246A	6	5	...	...	1	.....
	297(3)	34	23	...	5	6	52 4 0
	308	70	42	...	24	4	167 12 0
	308 & 309	1	1	...	...	...	.....
	311	1	1	...	...	...	.....
	322	31	29	...	...	2	.....
	347	72	42	...	20	10	323 12 0
	349B	7	2	...	4	1	46 9 0
	349C	2	2	...	...	...	.....
	349B & C	1	1	...	...	...	.....
	353	9	8	...	1	...	15 0 0
	353A	53	29	...	19	5	288 4 0
	354	48	24	...	15	9	260 0 0
	...	355	225	...	92	38	1,255 1 0
Superintendent, 3rd Division...	231	170	58	94	18	...	142 0 0
	246A	2	2	...	...	...	.....
	297 (3)	1	1	...	...	...	.....
	304	2	1	...	1	...	5 0 0
	308	4	...	2	1	1	5 0 0
	313(1)(a)	1	...	...	1	...	5 0 0
	322	20	6	13	1	...	15 0 0
	344	2	...	1	...	1	.....
	347	63	14	24	22	3	277 0 0
	349B	1	.....	1	...	...	.....
	353	28	6	10	12	...	83 0 0
	353A	55	6	6	42	1	556 0 0
	354	35	13	14	8	...	67 0 0
	Bye-law No. 40	1	.....	1	...	...	.....
	...	385	107	166	106	6	1,155 0 0
Superintendent, 4th Division...	231	96	70	10	13	3	65 0 0
	246 A	1	1	...	...	...	.....
	251	1	1	...	...	...	.....
	287	1	...	1	...	...	.....
	304	1	1	...	...	...	.....
	308	5	4	...	...	1	.....

Superintendents of Divisions.	No. of Sections of the Act.	No. of Prosecutions.	Cases withdrawn as the requirements were complied with.	Persons warned and discharged.	Persons convicted and fined.	Cases postponed to next year (1912-13.)	Amount of Fines.
							Rs. a. p.
Superintendent, 4th Division.—*contd.*	322	17	12	...	4	1	19 0 0
	329	1	1	...	...	...	.....
	344A	3	1	2	...	...	.....
	347	165	94	9	55	7	542 0 0
	349B	1	...	...	...	1	.....
	349C	1	1	...	...	...	.....
	353	48	31	...	12	5	77 0 0
	353A	153	71	4	67	11	733 0 0
	354	20	13	1	6	...	74 0 0
	383	1	1	...	...	...	.....
	Bye-law No. 40	12	5	...	4	3	44 0 0
	...	527	307	27	161	32	1,554 0 0
Superintendent of Roads ...	305	78	57	4	1	16	1 0 0
	312 (1)	2	1	...	...	1	.....
	313 (1)	6	...	...	5	1	17 0 0
	322	2	1	1	...	...	.....
	...	88	59	5	6	18	18 0 0
Grand Total ...	...	1,608	899	202	390	117	4,379 5 0

Unsafe or Ruinous Buildings.

142. 274 Notices were issued for the removal of unsafe, dangerous or ruinous buildings. 200 of these were complied with either partly or wholly ; in 20 cases structures were removed by the Municipality, and 54 cases were pending at the close of the year.

143. 11 buildings or parts of buildings fell down before they were observed by the Building Department. In 9 cases no injury was done and in the remaining 2 cases 4 persons were killed and 4 were slightly injured.

Removal of Inflammable and Insanitary Huts.

144. Action was taken under Sections 349 and 380 of the Municipal Act for the summary removal of 850 inflammable and insanitary huts. 783 of these were removed as required and 67 cases were pending at the close of the year.

145. The following statement shows the number of cases submitted to the Standing Committee for their sanction to the removal of unauthorized work during the year :—

WARD.	The number of cases in which applications were made to the Standing Committee for the removal of unauthorized work.	The number of cases in which such sanction was granted.	The number of cases in which the work was actually removed in accordance with the sanction of the Standing Committee.	The number of cases in which the unauthorized work was allowed to remain with modifications.	Cases in which the parties took proceedings against the Municipality in a Court of Law.	REMARKS.
B South ...	1	1	1	.....	.....	
D/1 ...	3		1	2	.....	
G ...	3	3	1	2	.....	

Street Improvements or Set-backs.

146. The amount available for street improvement for the year 1911-12 was as follows :—

Current Revenue.

	Rs.	a.	p.
Amount provided in the Budget	1,00,000	0	0
Amount realized as concession money... ...	11,313	0	0

Loan Works.

Grant provided in the Loan Works Budget ...	2,44,016	10	0
Total ...	3,55,329	10	0

147. Out of this amount, the sum of Rs. 3,52,367-1-2 was actually paid during the year.

148. In some cases construction works were allowed by the Commissioner within set-back lines on payment of concession money. The recoveries made in these cases amounted to Rs. 11,313-0-0.

149. The following statement shows the areas and values of ground added to streets in each ward during the year :—

Ward.	Areas in Square Yards.	Value.		
		Rs.	a.	p.
A	389·97	25,323	5	7
B	1,018·83	90,949	0	0
C	1,304·59	1,20,800	14	5
D	1,831·75	35,783	0	2
E	228·19	4,469	0	8
F	78·00	194	0	0
G	3,987·00	26,339	12	0
Total ...	8,838·33	3,03,859	0	10

150. The following table shows the number of (1) set-back cases enforced, (2) set-backs added, (3) set-backs paid for, and (4) the area of ground in square yards added to streets during the last five years :—

Year.	Set-backs enforced.	Set-backs added.	Set-backs paid for.	The area of ground added to streets (in square yards).
1907-08	137	133	125	7,263·46
1908-09	150	145	122	5,046·94
1909-10	112	137	120	7.106·65
1910-11	89	92	111	7,732·25
1911-12	109	114	109	8,838·33

New Hydrants fixed.

151. The total number of new hydrants fixed for road watering was 410. Out of these, 285 were new pattern underground hydrants and 125 stand-post hydrants.

Tarring Roads.

152. On account of greater facilities obtainable for getting tar a much larger area of road surface was tar-painted this year than in previous years.

153. The treatment of roads under this system has proved eminently successful.

154. The following statement shows the roads and the areas which were tar-painted during the year :—

	Name of Road.	Area in sq. feet.
1.	Hornby Road	6,233
2.	Queen's Road (A Ward)	205,625
3.	Church Gate Street	35,804
4.	Bank Street	2,160
5.	Princess Street	10,870
6.	New Queen's Road...	37,600
7.	Panday Road	7,440
8.	Kitridge Road	17,280
9.	Fazal Road...	9,600
10.	Khatao Road	8,160
11.	Cuffe Parade Road...	24,750
12.	Centre Road	16,800
13.	Ormiston Road	6,440
14.	Wodehouse Bridge...	28,730
15.	Cooperage Road	39,584
16.	Queen's Road (C Ward)	182,300
17.	Queen's Road (D Ward)	108,304
18.	Mayo Road...	7,740
	Total ...	755,420

155. The total expenditure incurred on the work was Rs. 13,460-5-5.

Improvement of Roads.

156. The treatment of some of the important roads in the Fort District with coal tar during the previous year has resulted in a considerable reduction of complaints regarding the dust nuisance in that District.

157. The route along which Their Imperial Majesties passed on the occasion of their visit to Bombay was specially treated with Akonia. By this means the roads were rendered dustless without being slippery. The effect of this treatment was visible till the latter part of February.

Tree-Planting.

158. The work of planting new trees out of the Budget Grant of Rs. 5,000 was in progress at the end of the year.

159. 35 trees were planted in E Ward on Parel Road.

160. The actual expenditure incurred out of this Grant for the purchase of 200 tree guards, 35 trees, red earth, and manure, and for the employment of labour on the work, amounted to Rs. 3,327-13-7.

161. A larger number of trees could not be planted during the year as the trees of the required size and description were not obtainable.

Street Refuges.

162. Six street refuges were constructed and provided with gas lamps during the year at the places noted below :—

		No. of Refuges.
(1)	South end of Wodehouse Road	1
(2)	East end of Fuller Road	1
(3)	Junction of Gowalia Tank Road, Altamont Road, Pedder Road and Hughes Road	4
	Total ...	6

163. The cost of the work amounted to Rs. 592-9-5.

F.

ROADS, FOOTPATHS, &c.

REPAIRS & MAINTENANCE.

Road Repairs.

164. The following statement gives items of works executed out of the grant sanctioned for road repairs and maintenance :—

Particulars.	Quantity of Work done in square feet.	Expenditure.
		Rs. a. p.
1. Full metalling	4,256,296	2,02,287 3 1
2. Full patching	1,422,998	50,197 4 9
3. Patching, sanding and sandstoning (including value of the balance of materials at site)	....	1,21,149 3 1
4. Scraping and brushing	.....	43,864 0 0
5. Repairs and maintenance of footpaths, bridges, culverts and road-side retaining walls	.....	15,838 0 0
6. Maintenance and fencing of road-side trees	.....	10,605 0 0
7. General repairs to tools, &c.	....	25,956 0 9
Total ...	5,679,294	4,69,896 11 8

165. The rate for full metalling works out to 8·53 pies per square foot or Rs. 4-7-1 per 100 square feet as against the standard estimated rate of Rs. 5-12-0, notwithstanding the increased rate of wages allowed to the labour staff from the middle of the year.

166. Roads in various parts of the City were disturbed by the operations of various agencies as shown below :—

Water Department	63,590	R. ft.
Drainage Department	23,499	,,
Bombay Electric Supply & Tramways Co., Ld.... ...	6,456	,,
Calender's Cable and Construction Co., Ld. (for the Bombay Telephone Co. and others)	703	,,
Bombay Gas Company	31,776	,,
Private Parties	1,581	,,
Total ...	127,605	R. ft.

Thus the road surface disturbed by the above agencies was nearly 24 miles out of a total of about 164 miles of roads in the city.

167. The cost of road repair works done by the Road Branch for the several Municipal Departments, for public bodies, and for private individuals amounted to Rs. 1,97,672-5-10.

Road Materials.

168. The total quantities of road materials purchased during the year and their cost were as follow :—

Description of Materials.	Quantity in C. ft.	Cost. Rs.	a.	p.
Metal	1,409,645	1,17,176	11	10
Sand	386,196	33,550	12	5
Sandstone	242,899	19,128	4	8
Rubble stone	166,328	14,969	8	0
Moorum	43,559	1,742	5	9
Total ...		1,86,567	10	8

Steam Rollers.

169. No new steam roller was purchased during the year.

170. The total number of steam rollers in use during the year was 28.

New Roads.

171. The following roads were taken over during the year :—

Serial No.	Name of the Road.	Taken over from
1	Portion of Home Street...	The City Improvement Trust.
2	Do. Bastion Road	Do.
3	Wallace Street	Do.
4	Portion of Bhandari Street	Do.
5	Do. Jambli Street	Do.
6	Do. Kazi Syed Street	Do.
7	Do. Janjikar Street	Do.
8	Gamdevi Estate Road No. 2	Do.
9	Do. do. 4	Do.
10	Do. do. 5	Do.
11	Do. do. 6	Do.
12	Morland Road	Do.
13	Club Road	Do.
14	Jetha Street	Do.
15	Ripon Road Cross Lane	Declared public under Section 306 of the Municipal Act.

Road Watering.

172. The Budget grant for the work was Rs. 80,000. And the total expenditure amounted to Rs. 75,338-3-8.

Footpaths.

173. A grant of Rs. 10,000 was provided in the Budget for paving footpaths during the year.

174. Tenders were invited for paving the footpaths at Fort Street, Frere Road and Kitridge Road with Shahabad slabs out of this grant.

175. The tender of Messrs. Genuji Mudhaji & Co., being the lowest of eight tenders received, was accepted under the Standing Committee's Resolution No. 6488, dated the 14th February 1912.

176. An order was given to the Contractors to proceed with the work from the 1st March 1912, and it was in progress at the close of the year.

Tramways.

177. No extensions of tramways or renewal of the rails was carried out during the year except the alteration of the main tracks at the Bori Bandar junction and provision of a new siding across a portion of Bhatia Bagh to facilitate tramway service.

178. The most of the central electric tram poles along Hornby Road and Esplanade Road from Victoria Terminus to Apollo Bunder were removed and planted on the sides of those roads.

179. This work was carried out with the view of providing a free and unobstructed central road for the Royal Procession. Most of the centre poles at the Money School junction were similarly removed from their original positions so as to leave a clear and unobstructed entrance to Kalbadevi Road.

Widening Roads.

180. The work of widening Cruickshank Road from 49 feet to 60 feet was completed during the year, and tarred footpaths, 15-ft. wide, were added on each side thereof at a total cost of Rs. 40,364-13-5.

181. The work of widening the West side of Queen's Band Road was also taken in hand from Church Gate Street to South end of Wodehouse Bridge. This road has been widened from 40 feet to 60 feet, and a tarred footway, 10-ft. in width, provided. The cost of carrying out this work amounted to Rs. 36,607-3-4.

182. Grant Road, Duncan Road and Parel Road were also widened to secure more space for vehicular traffic between the edge of the kerbing and the tram line.

183. The work of widening Victoria Road from 40 feet to 60 feet from its junction with Parel Road eastwards was taken in hand departmentally and was almost completed during the year.

Overbridges.

184. The construction of the Arthur Road Overbridge was completed during the year and it was opened for traffic on the 27th December 1911.

185. The work of constructing the east approach of Elphinstone Road Overbridge which was retarded in consequence of several High Court suits brought against the Municipality, was almost completed at the close of the year. The Municipality have succeeded in two of these suits tried by the High Court.

186. The ironwork for the bridge was being brought to the site for erection.

187. The east approach of the Clerk Road Overbridge, G. I. P. Railway, was almost completed, and the work of putting up the ironwork on both abutments was in progress.

188. The work of diversion of sewers, storm-water drains, and water mains in connection with the Currey Road Overbridge, G. I. P. Railway, was in progress.

189. The remaining properties required for the Clerk Road Overbridge, B. B. & C. I. Railway, having been acquired, the ovoid drains, sewers, storm-water drains, and water mains were being diverted. As soon as these works are done, the Railway Companies will commence their operations at Currey Road and Clerk Road.

190. The Corporation have sanctioned a grant of Rs. 10,29,095 for the DeLisle Road Overbridge, B. B. & C. I. Railway.

191. Several properties required for this bridge have been acquired under Section 299 of the Municipal Act, and the Government have been requested to notify other properties to be acquired under the Land Acquisition Act.

192. The certified expenditure for overbridges amounted to Rs. 12,51,350-9-6 at the close of the year.

193. Negotiations were proceeding with the Railway Companies with regard to the construction of the Overbridge at Dadar.

G.

PUBLIC LIGHTING.

Gas Lighting.

194. The total number of gas lamps in the City at the end of the year was 5,337 as detailed in the following statement and the total cost of the gas lighting was Rs. 3,38,233-10-9 :—

Ward.	Single Lights.	Double Lights.			Triple lamps.	Quadruple lights		Quintuple Lights.				Self-Intensifying Inverted Lamps.										Double Lights Inverted Lamp.																			Single Mantle inverted Lamps.		High Pressure Gas Lamps.			Total.
												Three Lights Hanging Lamps Inverted Pattern.									Double Mantles Quadruple lamp.																								
		Apollo Pier.	Wellington Fountain.	C. M. Shroff Statue.	Triple Lamps.	Apollo Pier.	Victoria Dock.	Sandhurst Road and Breach Candy Road.	Queen's Statue.	Mint Road.	Prince's Dock.	Abdul Rehman Street.	Bhuleshwar Road.	Thakurdwar.	C. P. Tank Road.	Girgaon Back Road.	Falkland Road.	Grant Road.	Charni Road.	Girgaon Road.	Church Gate. Street.	Queen's Road.	New Queen's Road.	Chaupati.	Gowalia Tank Road.	Hughes Road.	Pedder Road.	Sandhurst Road.	Shaik Memon Street.	Girgaon Road.	Mayo Road.	Wodehouse Road.	Apollo Bunder Road.	Band Stand.	Marine Lines.	Church Gate Street.	Cruickshank Road.	Princess Street.	Paidhoni Junction.	Carnac Road.	Fuller Road.	Dhobi Talao.	Sandhurst Bridge.	Floral Fountain.	Fitzgerald Column with 6 Burners.	
A ...	1,064	8	8	...	3	8	...	...	4	1	...	...	...	...	...	...	...	...	...	...	1	61	...	...	...	...	...	...	...	6	1	2	16	1	1	18	...	...	2	2	4	...	8	1	1,396
B ...	705	...	...	...	1	...	4	...	...	...	1	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	775
C ...	668	...	...	...	1	...	...	...	...	...	...	...	7	1	1	4	...	...	...	...	...	29	...	...	...	...	...	1	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	780
D ...	859	...	...	...	8	...	...	1	...	...	...	...	...	...	...	...	1	2	6	2	...	16	9	25	2	1	1	2	...	3	...	...	...	...	...	...	...	...	...	...	...	10	...	...	1,049
E ...	933	...	...	4	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	950
F ...	186	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	189
G ...	198	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	198
	4,603	16	16	8	48	32	16	5	20	5	5	42	21	3	3	12	6	6	18	6	8	212	18	50	4	2	2	4	2	6	12	2	4	32	2	2	36	10	4	4	2	4	10	8	6	5,337

195. During the year 238 new gas lamps were placed along the roads as detailed below :—

Locality.	No. of lamps.	Remarks.
Colaba Village	20	
Lansdowne Road	1	
Wodehouse Road	2	1 2 Lt. lamp = 2
Apollo Bandar junction on tram pole... ...	4	2 2 Lt. ,, = 4
Fuller Road junction on tram pole	2	2 1 Lt. lamp = 2
Dhobi Talao junction tram pole	4	4 1 Lt. = 4
Carnac Road near Market tram pole... ...	4	2 2 Lt. lamps = 4
Church Gate Street	3	Quintuple lamp was converted into 2 Lt. quadruple=8.
Fitzgerald column	2	Formerly there were 4 lamps. Now there is one with 6 burners.
Church Gate West of station	4	
Bastian Road	8	Taken over from City Improvement Trust.
Home Street	3	Do. do.
Wallace Street	3	Do. do.
Kazi Sayed Street	2	Do. do.
Paidhoni junction on tram pole	4	2 2 Lt. lamps = 4.
Lohar Street	12	Taken over from City Improvement Trust.
Sandhurst Road between Falkland Road and Parel Road	15	Do. do.
Pinjari Street	1	
Cavel Street	1	
Gowalia Tank	4	2 2 Lt. Refuges.
Pedder Road	2	1 Do.
Hughes Road	2	1 Do.
Girgaum Road...	1	Single mantle lamp converted into 2 Lts.
Depôt Lane	2	Do.
New Queen's Road	5	Do.
Ghorupdeo Road	22	
Reay Road	23	
Arab Lane	1	
Ripon Cross Lane	3	
Roads on Ghorupdeo Estate	14	Taken over from Bombay Port Trust.
Arthur Road Bridge	12	
Kalachauki Road	12	
Government House Road	20	
DeLisle Road	12	
Queen's Parade Road	8	Existing 8 single lamps converted into 2 Lt. lamps.
Total ...	238	

Kerosine Oil Lighting.

196. As in the preceding years the kerosine oil lighting was carried out departmentally. The oil used was 125° Elephant Brand. The number of kerosine oil lamps in use was 1,833 as detailed in the accompanying statement :—

Ward.	No. of lamps.	Remarks.
B	186	All these lamps have Simla pattern burners.
C	62	
D	102	
E	347	
F	583	
G	553	
Total ...	1,833	

197. 17 kerosine oil lamps on Ghorupdeo Estate which were taken over from the Bombay Port Trust last year were returned to them on their providing gas lamps on these roads.

198. 2 new oil lamps were put up, *viz.*, one at Arthur Road level crossing and the other at Trimbak Parashram Street.

199. The total cost of kerosine oil lighting during the year was Rs. 34,663-1-8. Deducting from this Rs. 1,426-10-10, being the amount recovered (1) on account of departmental bills for lighting Health Camps, &c., and (2) from private parties for breakage of lanterns, posts, &c., the net cost of kerosine oil lighting during the year amonuted to Rs. 33,236-6-10, which gives a rate of Rs. 18-2-1 per lamp per annum.

H

MUNICIPAL WORKSHOPS.

200. The following are the particulars of expenditure incurred during the year for departmental and private works executed at the Municipal Workshops, for shop and supervision charges, tools and repairs to machinery, buildings, &c.:—

	Rs. a. p.	Rs. a. p.	Rs. a. p.
For Departmental Works, &c :—			
Labour	73,612 9 4		
Stores	68,878 15 5		
Piece-work, cart-hire, &c.	680 0 6		
		1,43,171 9 3	
For Workshops Stores:—			
Labour	997 10 8		
Stores	2,851 14 2		
		3,849 8 10	
Total ...			1,47,021 2 1
For Shop Charges:—			
Labour	3,126 1 0		
Stores	8,618 0 6		
Piece-work, contingencies, &c.	50 0 0		
		11,794 1 6	
For supervision charges, establishment, rent, &c.			
Establishment	10,756 0 2		
Rent paid to Government	13,142 1 9		
Contingencies	1,211 4 10		
		25,109 6 9	
Total Expenditure for working the Shops ...			36,903 8 3
Total Expenditure during 1911-12 was			1,83,924 10 4

	Rs. a. p.
The total expenditure during 1911-12 on account of Departmental Works, &c. (Rs. 1,43,171-9-3) for Workshops and Stores Jobs (Rs. 3,849-8-10) aggregated with the amount charged for supervision, tools, shops, and repair charges, &c. (Rs. 36,722-4-2) to	1,83,743 6 3
Add—Amount of incomplete jobs at the beginning of the year 1911-12	3,037 10 4
Rs. ...	1,86,781 0 7
Deduct—Amount of incomplete jobs at the end of the year 1911-12 ... „ ...	1,477 2 10
Thus the total amount of bills preferred by the Workshops in the year 1911-12 was Rs. ...	1,85,303 13 9

Percentage for supervision, shop, repair charges, &c.

	Rs. a. p.	Rs. a. p.
The actual charges for the general working of the Shops (Rs. 11,794-1-6) and for supervision (Rs. 25,109-6-9) amounted to		36,903 8 3
The amount recovered on account of the abovementioned expenses by charging the fixed percentage of 25 per cent. on the cost of labour employed and materials used for works executed at the shops was	35,792 14 5	
The difference between the actual cost of working the Municipal Pumping and Portable Engines, plus 25 per cent. for shop supervision, repairs, &c., and the fixed charges at which it was let on hire to private parties and Departmental works was	929 5 9	
The amount realized by the sale of saw-dust, unserviceable articles, &c., was	2,303 11 11	
The balance in favour of the Workshops was therefore		2,122 7 10
Total Rupees ...	39,026 0 1	39,026 0 1

201. The following are the principal items of new works completed during the year:—

Description of Works.	Amount. Rs. a. p.
Converting 10½ N. P. hydrants into 21 Hewett pattern hydrants	538 0 9
Removing and refixing Fitzgerald Fountain	1,751 4 10
Removing stalls from Foras Road Market and refixing them at Kamatipura New Market	665 1 3
Making 20 wooden hand-carts and 12 hand-water carts for the Road Department	3,692 6 6
Repairing 26 stalls in the new fruit and vegetable section of the Erskine Road Market	683 7 4
Renewing 4 meat vans for the Market Department	1,998 6 6
Making and fixing 3 new water tanks 6'-0" with stands at Jacob Circle for the Road Department	818 8 2
Making 50 benches for the Chaupati footpath	1,127 10 0
Removing iron fencing on Victoria Road	526 6 1
Making 20 teakwood tables, 16 chairs, 7 racks, 4 cupboards and 7 benches for the Water Works Department	1,059 1 4

202. Works completed which were commenced in the previous year :—

Description of Works.	Amount. Rs. a. p.
Erecting 1,000 gallons ejector and tubbing at No. 3 Ejector Station, Colaba	585 8 9
Repairing a pipe testing machine at Kurla and making 2 new hydraulic cylinders for the same	1,660 10 4
Converting 11 N. P. hydrants into 22 Hewett pattern hydrants	501 3 3
Erecting 1,000 gallons ejectors and tubbing at Elphinstone Road	1,215 1 8
Converting 16 N. P. hydrants into 32 Hewett pattern hydrants	782 5 10
Removing and refixing Dr. Blaney's statue at the Bhatia Baug	679 2 11
Making and fixing 21 iron bars, 12 iron chairs, 2 lamp posts with lamps, and fixing corrugated screen walls at Haines Road Cemetery	1,681 13 3

203. The following are the principal items of new works which were in progress, but were not completed before the close of the year :—

Description of Works.	Estimated cost. Rs. a. p.	Expenditure upto 29th February 1912. Rs. a.
Making 50 benches for the Chaupati footpath	1,362 8 0	1,127 10 0
Making and fixing flag staves at different Municipal Buildings	1,512 4 0	1,064 1 2
Renewing 38 new pattern dustbin carts	8,500 0 0	5,061 3 8
Making and fixing 8 water tanks, 4'-0" in F and G Wards, two at the junction of Napier and Beach Roads and 2 at Fort Street	2,348 0 0	1,083 5 5
Erecting, screening and dredging machinery at the New Love Grove Pumping Station	7,490 0 0	5,676 6 5
Making and fixing iron work for screening and dredging chambers at the New Love Grove Pumping Station	1,720 0 0	2,414 5 2
Erecting 500 gallons ejectors and tubbing at No. 4 Ejector Station, Colaba, and removing old 300 gallons ejectors	2,000 0 0	1,112 13 7

204. In addition to the above works the Workshops have continued to keep in repair the rolling stock of the Health, Road and Drainage Departments, the machinery of the Love Grove Pumping and Compressor Stations, the Colaba Compressor Station, the Ejector Stations in the Parel, Chinchpokli, Agripada, Malabar Hill, Mazagon, and Colaba Districts, Steam Rollers, Fire Engines, Motor Refuse Wagons, &c.

205. On account of the work carried out during the year being in excess of anticipations, the grants for extra and overtime labour had to be supplemented by, and advances of Rs. 8,000 sanctioned under the Standing Committee's Resolution No. 4975, dated the 28th November 1911, and a transfer of Rs. 5,000 from savings in the permanent labour establishment sanctioned under the Standing Committee's Resolution No. 6111, dated 31st January 1912.

206. Tenders were invited in July 1911 for (*a*) the Masonry work and (*b*) the Steel work in the first section of the new Municipal Workshop at Foras Road and under the Standing Committee's Resolution No. 2755, dated the 8th August, the tenders of Messrs. Fazulbhai Deoraj & Co. being the lower of two received for the first item was accepted at rates by which aggregate cost will be Rs. 47,484-10-11, plus Rs. 5,077 for supervision and contingencies. Under the 2nd item six tenders were received and lowest tender from Messrs. George Gahagan & Co. was accepted under the Standing Committee's Resolution No. 3684, dated the 28th September 1911, at rates by which the cost will aggregate Rs. 35,642-13-0, plus Rs. 3,937 for establishment and contingencies.

207. Orders to commence the work were given to Messrs. George Gahagan & Co. on the 1st November 1911, and to Messrs. Fazulbhai Deoraj & Co. on the 8th January 1912, and the certified expenditure upto the close of the year under the grant of Rs. 1,38,246 sanctioned under the Coproration's Resolution No. 6802, dated the 6th February 1911, was Rs. 4,340-9-4.

208. Further progress was made with the preparation of plans and estimates for the Second Section of the work in fitting, erecting and machine shops and boilers' shop, &c., and the plans were approaching completion at the close of the year.

INSPECTION MOTOR CARS.

209. A grant of Rs. 21,500 having been made in the Budget for 1910-11 for the provision of motor cars, three 12-14 H. P. 4-seated Berliot cars were purchased from the French Motor Car and Electric Co., Ltd., at a cost of Rs. 6,854 each (*vide* the Standing Committee's Resolution No. 7057, dated the 15th February 1911). The cars were received on the 1st of June following and after registration were assigned to Officers as follows :—

Car Ry. No. 1674—to the Health Officer.
" " " 1675—to the three Deputy Engineers.
" " " 1676—to the Executive Engineer.

210. The mileage of the cars from the time of receipt upto the 29th February 1912 was as follows :—

No.	1674	4,700 miles.
"	1675	6,203 "
"	1676	3,172 "
	Total ...	14,075 miles.

211. The cost of maintenance, inclusive of establishment upto the close of the year, was Rs. 4,465-11-9, which is equal to an average running cost of 5·07 annas per mile.

212. Pending the construction of a garage for the cars, they were kept at the Wellington Mews garage upto the 30th September 1911, and subsequently at the Bombay Motor Car Company's garage; and in consequence of the extra charges incurred under this head the grant of Rs. 3,200 for upkeep had to be supplemented by a transfer of Rs. 100 from savings in other grants under General Office Establishment (*vide* the Standing Committee's Resolution No. 7624, dated the 26th March 1912).

213. The cars worked quite satisfactorily during the year without any serious break down.

THE LOVE GROVE PUMPING STATION.

214. The engines and pumps worked fairly satisfactorily during the year with no total stoppage.

215. The efficiency of the pumps, as tested by frequent observations taken by the Drainage Staff, showed an average of 87 per cent. as against the same figures in the previous year and 89 per cent. in 1909-10.

216. The combined total number of revolutions of all engines during the year was 27,081,063 against 28,739,698 in the preceding year, the reduction being due to the deficient Monsoon rainfall and the subsequent curtailment of the water-supply.

217. The following table shows the total quantity of coal of different descriptions consumed during the year with their average rates per ton :—

Description of coal.	Tons.	Average rate.
		Rs. a. p.
Bengal Coal Coy.'s Desharghur...	3,484	15 0 7
Powell's Dufferyn Cardiff	950	21 7 10

218. The average rate per ton for both of these descriptions of coal was Rs. 16-7-0·6 as against an average rate of Rs. 16-6-7·6 in the previous year, and the average daily consumption was 12 tons, 2 cwts., 3 qrs., 10·25 lbs. against 12 tons, 4 cwts., 1 qr., 27·2 lbs. in 1910-11.

219. The repairs to No. 3 engine, which were in hand at the close of the previous year and which included the renewal of the ram bushes of the sewage pumps and the re-turning of the rams, were completed in December 1911. General repairs to No. 4 engine were then taken in hand and were in progress at the close of the year.

220. 1,000 lbs. of 7873 quality India-rubber valve faces were purchased for the sewage pump valves from the India Rubber, Guttapercha and Telegraph Works Co. in July 1911, at a rate of Rs. 3-8-0 per lb.

221. Progress continues to be made in connection with the supply and erection of new pumping machinery and plant for the Station.

222. The new chimney for the Station, which was under construction by the Contractors Messrs. Virji Teju & Co. at the close of the preceding year, was completed and brought into use on 31st May 1911. The foundation of the new engine-house under construction by the Contractors, Messrs. Teju Kaya & Co., were brought up to ground level at the close of the year. Under the Standing Committee's Resolution No. 7090, dated the 6th March 1912, the same Contractors were entrusted with the construction of the superstructure of the engine-house at an estimated cost of Rs. 77,357.

223. In the new screening and dredging house the fixing of the roof by the Contractors, Messrs. George Gahagan & Co., was in progress at the close of the year, and most of the heavy work in the erection of the machinery, which was undertaken by the Municipal Workshops at an estimated cost of Rs. 10,800, and in the manufacture and erection of sundry iron work in connection with the same work which was also undertaken by the Workshops at an estimated cost of Rs. 17,120, was completed during the same period.

224. The new screens and dredgers being arranged for electric driving, the Corporation under their Resolution No. 6303, dated the 8th February 1912, sanctioned an expenditure of Rs. 45,507 for the provision and temporary erection of generating plant for working the above machinery as well as other auxiliary electric motors in the old and new Pumping Stations and Compressor Station and for the electric lighting of all the stations, and tenders for the supply of three 45 Kilowatt combined generating sets and switchboards were about to be invited at the close of the year.

225. The scheme for the new low-level sea outfall at Love Grove was, in accordance with the Corporation's Resolution No. 6725, dated the 2nd February 1911, referred by the Commissioner, on the advice of Sir Walter Hughes, to Sir John Wolfe Barry, for opinion. Sir John's report, which contains recommendations differing materially from any of the previous proposals, was received in October 1911, and in view of references to local conditions was still under consideration by the Engineering Department at the close of the year.

THE COLABA COMPRESSOR STATION.

226. The machinery of the Compressor Station and the Ejector Stations served from it worked satisfactorily during the year.

227. The total quantity of sewage lifted during the year amounted approximately to 398½ million gallons against 426 million gallons in 1910-11, the reduction being due to the short monsoon rainfall and the subsequent curtailment of the water-supply. The total number of revolutions run by the compressor engines was 43,514,549.

228. There were 27 interruptions in the electric supply to the motors during the year. Of these, 25 were stoppages of less than two hours' duration with an average of 23·3 minutes. Of the remaining two stoppages of a more serious nature, one occurred on the 11th August 1911 at 2-30 a.m. and lasted for 2 hours 15 minutes, and the other on the 23rd January 1912 at 3-25 a.m. and lasted for 4 hours 25 minutes. This latter interruption necessitated the starting of the reserve steam engine.

229. The total number of units of electrical energy consumed during the year was 300,432.

230. A. engine was stopped from the 15th to the 18th June 1911 for the renewal of the motor pinion and B. engine from the 8th to 13th November 1911 for a like purpose. During these stoppages, the reserve steam engine was worked and consumed a total of 15 tons and 13 cwts. of coal.

231. In consequence of the consumption of electric power being more than was anticipated, the grant had to be supplemented by a transfer of Rs. 2,000 from savings in the grants for the Love Grove Pumping Station (*vide* the Standing Committee's Resolution No. 5594, dated the 12th January 1912). The grant for Stores and Contingencies had also to

be supplemented by a transfer of Rs. 1,000 from savings in the Love Grove Compressor Station grant to meet excess expenditure, due partly to the variation of the method of charge for the electric light supply to the Station and partly to the purchase of a new raw-hide pinion for one of the motors. This transfer was sanctioned under the Standing Committee's Resolution No. 5595 of the above date.

232. The work of erecting the pair of 500 gallon ejectors, removed from No. 3 Ejector Station in a new Station in No. 4 District to replace the existing 300 gallon ejectors in the District, was taken in hand by the Municipal Workshops in December 1911 and was in progress at the close of the year.

THE LOVE GROVE COMPRESSOR STATION.

233. The machinery of the Compressor Station and the several Ejector Stations in the Parel, Chinchpokli, Agripada, Malabar Hill and Mazagon Districts worked satisfactorily during the year.

234. The combined total number of revolutions run by Nos. 1 and 2 (large) compressor engines during the year was 35,886,264. The revolutions of Nos. 3 and 4 (small) engines amounted to 18,674,451 during the same period. The previous year's totals were 30,786,995 and 23,871,701, respectively. The small engines are half the capacity of the large, so that the net decrease in revolutions during the year on the basis of a large engine as compared with the previous year was 999,357.

235. The total quantity of sewage lifted by the ejectors worked by the Station during the 12 months was approximately as follows :—

Ejector Station.	Quantity of sewage lifted in gallons.
No. 1 Ferguson District, DeLisle Road	444,126,000
No. 2 Do. Arthur Road	377,629,200
No. 1 Parel District, Elphinstone Road	206,728,000
No. 2 Do. Chinchpokli Road	146,032,000
No. 3 Do. Sewri Road	53,298,000
No. 1 Mazagon District, Church Street	143,472,000
No. 2 Do. Tank Bunder	52,873,250
No. 1 Agripada District }	50,649,450
No. 2 Do. }	
No. 1 Malabar Hill District, Warden Road	66,239,250
No. 2 Do. do. Nepean Sea Road	27,885,200
No. 3 Do. do. Gamdevi Road	21,527,200
Total Gallons ...	1,590,459,550

236. The above total shows a decrease of 418,035,150 gallons on the total for the previous year, which is due to the short Monsoon rainfall and the subsequent curtailment in the water-supply.

237. The following table shows the total quantity of coal of different descriptions purchased for the Station during the year with their average rates per ton :—

Description.	Tons.	Average Rate.
		Rs. a. p.
Bengal Coal Coy.'s Desharghur...	89	15 0 6
Ramnagore Rubble	1,101	15 6 8·8
Bugguldih Rubble	1,093	15 7 1·8
Nudkherkee Rubble	1,099 13/20	15 3 6·1
Total Tons ...	3,382 13/20	

238. The average rate per ton for all of these descriptions of coal was Rs. 15-5-9·7 against 15-7-4·3 in the previous year.

239. The actual consumption at the Station during the year amounted to approximately 3,000 tons only, being equal to an average daily consumption of 8 tons, 3 cwts., 3 qrs., 20·7 lbs. against 9 tons, 5 cwts., 2 qrs., 26·5 lbs. in the previous year. The saving of the large balance of coal, which was carried over to the next year, was in part due to the reduction of work, but was principally effected by the use of the mechanical stokers and steam superheaters fixed in 1910-11. The stokers continued to work very satisfactorily, and they have entirely prevented the emission of smoke.

240. The work of fitting new Walker's air cylinders and valves to No. 3 (small) engine, which was commenced at the close of the previous year, was in progress ; but not completed before the close of the year under report, the delay being due to the execution of other more urgent works.

241. The erection of the new Ejector Station containing two ejectors of 1,000 gallons capacity each at Elphinstone Road and the laying of the new sealed sewage main for the same to the head of the gravitating sewer in Worlee Road, as mentioned in the previous year's report, was completed, and the ejectors were started on the 27th April 1911. The old 700 gallon ejectors were thereafter removed for utilization at Tank Bunder.

I

GENERAL.

Important subjects reported upon.

242. The following is a list of important subjects which were reported upon during the year:—

1. Dadar Road and other Overbridges.
2. Removal of Bandra Slaughter Houses to Vikroli.
3. Providing market at Chaupati.
4. Extension of the Arthur Crawford Market.
5. Tramway shelter at Bhatia Baug.
6. Proposal for appointing a Special Magistrate for conducting Municipal cases.
7. Set-backs (procedure followed in the acquisition of set-backs).
8. Removal of the Photometer House at Parel and change of the mode of testing gas.
9. Proposal made by Mr. C. I. Evennette for the establishment of a Municipal Agency in London.
10. Lighting of the City (comparative cost of lighting under the present whole month system and the past part month system).
11. Development of Improvement Trust Scheme No. VI.
12. Proposed lighting of Prince's and Victoria Docks by electricity.
13. Crawford Market to Sandhurst Road Scheme.
14. Tenders for the supply of 48″ pipes to replace the 32″ Vehar main north of Kurla.
15. Enforcement of water-closets when building proposals are submitted under Section 342 of the Municipal Act.
16. Widening of Hornby Road.
17. Work done by Licensed Plumbers.
18. Building proposals along the Municipal land known as Tulsi Pipe Road.
19. Proposed use of sea water for street watering.
20. High Pressure Lighting of "Chaupati Parade."
21. Royal Visit.
22. Treatment of road surface with Akonia.
23. Prescribing new or altered regular lines at the undermentioned places :—

    Girgam level-crossing.
    Mount Road opposite Nesbit Lane.
    Cleveland Bandar Road.
    Ghorupdeo Road.
    Corner of Grant Road and Falkland Road.
    Tamarind Lane.
    Junction of Fort Street and Mint Road.
    Kazi Street (between Masjid Street and Panjrapole Road).
    1st Marine Street.
    Junction of Modi Street and Manordas Street.
    Wodehouse Road (opposite Panday's Sanitarium).
    Siwri Cross Road.
    Parel Tank Road.
    Dadar Road.
    Abdool Rehman Street.
    Forjett Street.
    Sleater Road.
    Mughbhat Cross Lane.
    Apollo Pier Road.
    Mount Road.
    Parbhadevi Road.

24. Proposed Overhead Railway between Tank Bandar and Victoria Terminus.
25. Proposals for improving the water supply to the City.
26. Central lighting of various street junctions.
27. Proposed extension of Mughbhat Cross Lane up to Thakurdwar Road.

28. Laying out new roads and widening and otherwise improving the roads in the Northern portion of the City.

29. Proposed hanging garden on the slope of Malabar Hill.

30. Route of cables to be laid by the Tata Hydro-Electric Power Supply Company.

31. Question as to the materials (cast iron, steel or reinforced concrete) to be used for the second half of the work of replacing the 32″ Vehar main between Vehar and Kurla.

32. Inconvenience caused to the public on account of (1) the want of hoarding while demolishing old buildings and (2) depositing building materials on public roads, &c.

33. Amendments of certain sections of the Municipal Act and the Building By-laws.

BILLS, VOUCHERS, &c., RECEIVED AND PASSED.

243. Comparative statement of the number of bills, vouchers, &c., received, examined and passed during the five years from 1907-08 to 1911-12 :—

Description.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.
Bills for Supplies, Works, &c.	22,556	28,790	25,275	24,691	20,821
Departmental Works Bills	6,491	6,360	5,468	5,783	3,691
Private Work Bills	2,650	2,654	3,349	3,121	2,469
Total ...	31,697	37,804	34,092	33,595	26,981

NOTICES, &c., ISSUED.

244. Comparative statement of the number of notices, &c., issued during the five years from 1907-08 to 1911-12 :—

Section of the Municipal Act.	Description.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.
	Street and Building Branch.					
231	To provide rain-water eaves, gutters and down-take pipes	158	169	320	1,784	1,018
247	To provide water-closets, privies or urinals ...	4	4	7	1	1
257	To remove encroachments on drain, cesspool, house-gully, privy, urinal, &c.	7	2	1	...	...
299	Intimation to take possession of land outside building for street improvement	76	68	100	79	109
305	To level, metal or pave, drain and light private streets	17	111	82	87	103
308	To remove new projections	80	180	562	1,004	1,290
308-309	To remove new projections as well as old ones ...	...	11	8	52	45
311	To remove or alter door, or gate, bar or window opening upon a street	11	8	11	20	12
313 (b)	To remove any board or shelf within a height of 12 feet from the surface of the street	...	...	...	24	20
329	To repair, protect or enclose wells or dangerous places	14	11	16	23	21
349	To remove inflammable materials in external walls and roof covering	320	218	173	263	248
351	To remove, alter or pull down structures erected without Municipal approval or to submit plans for the same	13	13	19	30	33
353	To alter buildings erected or to amend works done contrary to the provisions of the Municipal Act or Building Bye-laws	199	237	261	361	343
354	To pull down ruinous houses	481	364	342	450	274
354 A	To remove persons directing works unlawfully carried on	...	...	...	75	82
380	Removing or altering insanitary huts or sheds ...	912	631	787	592	602
383	To cut and trim trees, shrubs and hedges... ...	7	2	3	6	3
488	Intimation of intention to enter houses after 24 hours' notice	1,359	1,097	2,211	1,427	1,668
351 (2)	Intimation of intention to enter houses after 48 hours' notice...	7	4	8	14	24
298 (2)	Intimation of intention to take possession of land occupied by buildings, &c.	7	4		...	3
Bye-law 48	Infringement of the provision of the Building Bye-laws	3	1	2	12	3
Section I of Government Modification No. 228, 10th February 1897.	To prohibit further use of building as a dwelling..	...	...	...	25	7
	Total ...	3,705	3,135	4,916	6,329	5,909

Section of the Municipal Act.	Description.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.
	Drainage Ordinary Works.					
222	For laying Municipal drains through or under lands belonging to private parties	1	12	3	5	2
230	To carry drains through land belonging to other persons	39	21	13	20	10
231	To drain undrained premises within a hundred feet of a Municipal drain	621	721	711	623	788
232	To drain undrained premises not within a hundred feet of a Municipal drain	170	318	373	443	267
238	To declare joint ownership of a drain	10	8	5	8	5
240	To pass or construct a drain beneath any part of a building	6	12	...	...	...
243	To raise vent-pipes on the drain	...	...	31	27	14
244	To affix shafts or pipes or ventilation of drains, &c.	7	18	9	15	10
257	To renew, repair, &c., drainage of houses	1,022	723	817	958	1,130
258	To prohibit contraventions generally of the provisions of Chapter IX of the Municipal Act ...	...	6	...	1	1
488	Entering premises for purpose of surveying, &c. ..	3	1	...	...	...
...	Drainage of waste water from Bleaching and Dyeing Works	...	...	...	...	37
	Total ...	1,879	1,840	1,962	2,100	2,264
	Drainage Loan Works.					
222	For the acquisition of land for making drains ...	...	6	...	...	...

SUMMARY.

Departments.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.
Streets and Buildings Branch	3,705	3,135	4,916	6,329	5,909
Drainage Ordinary Works	1,879	1,840	1,962	2,100	2,264
Drainage Loan Works	.....	6	.....	.....	.....
Total ...	5,584	4,981	6,878	8,429	8,173

LETTERS, &c., RECEIVED AND DESPATCHED.

245. Comparative statement of the number of letters, references to Inspectors, &c., received and despatched during the five years from 1907-08 to 1911-12 :—

Departments.		1907-08.	1908-09.	1909-10.	1910-11.	1911-12.
General and Street and Building Branches...	Inward ...	1,44,881	1,48,992	1,78,359	1,79,522	1,78,121
	Outward...	1,34,164	1,45,581	1,79,764	183,072	1,80,169
Drainage Ordinary Works	Inward ...	47,458	45,455	53,499	54,001	54,798
	Outward...	35,126	39,635	38,788	37,134	35,842
Drainage Loan Works	Inward ...	2,046	2,183	2,158	.....	.....
	Outward...	1,910	2,245	2,394	.....	.....
Total ...		3,65,585	3,84,091	4,49,962	4,53,729	4,48,930

246. The following is a *summary of clerical work done by the different branches* of the Department during the year :—

Consecutive No.	Description of Work.	General and Street and Building Branches.	Mechanical Branch.	Ordinary Drainage Work.	Total.
1	Letters, &c., received including replies to references to Inspectors, &c.	178,121	4,798	54,798	237,717
2	Letters, &c., despatched, including references to Inspectors for report	180,169	5,248	35,842	221,259
3	Notices issued	5,909	.....	2,264	8,173
4	Summonses issued	1,608	.....	. 618	2,226
5	Contracts for annual and other supplies and for the construction of various works executed	42	.....	5	47
6	Leases of various rights sold	22	.....	.....	22
7	Vouchers received and passed...	12,165	681	7,975	20,821
8	References made to Inspectors, &c., for certificates on vouchers	4,631	.....	3,725	8,356
9	Reports and certificates received from the Inspectors, &c.	4,629	.....	3,725	8,354
10	Departmental and Private Works bills prepared or received, checked and passed	4,326	1,284	550	6,160
11	Statement of works done for private parties checked and passed	85	.....	.....	85
12	Statement of works done for Municipal Departments checked and passed	87	.....	.....	87
13	Workshop's balance sheets prepared and forwarded,	12	.....	.....	12
14	Statements of recovery of bills against private parties received	77	.....	.....	77
15	Requisitions prepared or received and forwarded...	2,198	9,464	2,171	13,833
16	Measurement slips for metal, sand, rubble, &c., received and checked	586	.....	.....	586
17	Morning and material reports, diaries, &c., prepared or received and checked	5,124	.....	.....	5,124
18	Muster Rolls received and checked	645	.....	.....	645
19	Statements of wages remaining unclaimed received and checked	110	.....	.....	110
20	Unclaimed wages, refund certificates prepared or received and passed	1,348	.....	.....	1,348
21	Work abstracts for Road Repairs and Maintenance received and checked	84	.....	.....	84
22	Work abstracts for Road watering received and checked	84	.....	.....	84
23	Permits issued for projecting verandahs, balconies, rewas, weather-frames, &c.	80	.....	.....	80
24	Permits issued for erection of scaffolding on public roads	812	.....	.....	812
25	Permits issued for opening roads	1,728	.....	.....	1,728
26	Permits issued for temporary occupation of public streets on marriage and other ceremonies ...	672	.....	.....	672
27	Advice notes for sale of tender forms, rights of cutting grass, hire of steam-rollers, carts, ground-rent, sale of building forms under Sections 337 and 342, supplying copies of Office records, &c. prepared and forwarded to the Chief Accountant	2,825	.....	320	3,145
28	Licenses issued to Plumbers	161	.....	.....	161
29	Licenses issued to Surveyors	48	.....	.....	48
30	Authorities issued to Plumbers for opening roads under tram lines	54	.....	.....	54
31	Orders issued for adding ground	43	.....	.....	43
32	Permits for building or rebuilding houses granted either conditionally or unconditionally	3,404	.....	.....	3,404
33	Claims for compensation for lands, &c., taken up for street improvement passed	182	.....	.....	182
34	Number of road slips prepared and checked ...	75,762	.....	.....	75,762

WORKS IN CONNECTION WITH PLAGUE MEASURES.

247. The latrines, nahanis and water connections at the different private Health Camps at Dadar and Vincent Road were provided by the Municipality.

248. The following camps were erected and provided with latrines, standpipes for water-supply and lighting arrangements at Municipal expense :—

ON MUNICIPAL GROUND AT—

		No. of Rooms.
1.	Babula Tank	40
2.	Gilder Tank	50
3.	Mahim Garden	50
4.	DeLisle Road next to Night-soil Depôt (or Purbhadevi)	75

ON PRIVATE LAND AT—

		No. of Rooms.	
1.	Victoria Bunder (belonging to the Colaba Land and Mill Company, Ltd.) ...	26	
	ON IMPROVEMENT TRUST LAND AT—		
1.	Agripada Estate	100	
2.	Government House Compound, Parel ...	75	
			201
	Total No. of Rooms ...		416

249. The total cost of erecting temporary bamboo matting huts amounted to Rs. 4,094.

250. The Health Camps which existed at the undermentioned places in the previous years were maintained at Municipal expense during the year :—

ON MUNICIPAL GROUND AT—

		No. of Rooms.
1.	Babula Tank	16
2.	Northbrook Garden	46
3.	Mahim Station	30
4.	Arthur Road	72
5.	At the Junction of Arthur Road and DeLisle Road ...	100
	ON GOVERNMENT LAND AT—	
1.	Koli Lane, Colaba	20
	Total No. of Rooms ...	284

251. The total cost of maintaining these camps amounted to Rs. 1,325.

MUNICIPAL SERVANTS' ACT.

252. No circumstance has arisen in this Department during the year to necessitate the putting of the Municipal Servants' Act into operation.

I have the honour to be,
Sir,
Your most obedient servant,

JAMES W. MACKISON, B.SC., A.M.I.C.E.,
Executive Engineer.

J.

WATER WORKS.

Tansa Lake.

The total rainfall for the year, measured near the outlet from the Lake, was 69·23 inches or 25 per cent. below the average for the preceding five years, the rainfall for the preceding five years being—

75·96 inches in 1906
96·98 „ 1907
90·18 „ 1908
102·19 „ 1909
97·20 „ 1910

Rain fell on 90 different days, and exceeded 4 inches per day on two occasions. On 19 days the rainfall ranged from 1 to 3½ inches.

The first rainfall occurred on 2nd June, and from this date upto the 30th September when the monsoon finally ceased, 52,700 million gallons fell on the catchment area of 33,600 acres, and of this quantity 27,130 million gallons or about 51½ per cent. of the total rainfall was received in the Lake.

The Lake commenced to overflow on 1st August when the rainfall amounted to 33·36 inches and continued to overflow until 8th September. The total quantity of water that passed over the waste weir was about 17,976 million gallons or about 66 per cent. of the quantity received in the Lake.

The quantity of water delivered into the duct at the Lake was about 7,622 million gallons for the year, of which 6,140 million gallons were received in the City. The balance, 1,482 million gallons, being lost by leakage, evaporation and overflow from siphon heads along the line.

The quantity of water lost from the Lake through evaporation, leakage and supply between 1st April 1911 and 31st May 1911 was 2,300 million gallons and that lost from 1st December 1911 to 31st March 1912 was 4,177 million gallons, making a total loss of 6,477 million gallons for 182 days, or an average of 35 million gallons per day.

The loss of water by evaporation from the Lake averaged, during the dry months, 17·6 million gallons per day. The observed evaporation being as follows :—

8·70 inches for 30 days of April.
9·05 „ „ 31 „ „ May.
4·70 „ „ 31 „ „ December.
5·40 „ „ 31 „ „ January.
6·60 „ „ 29 „ „ February.
9·90 „ „ 31 „ „ March.

The lowest depth to which the water in the Lake was drawn was 396·34 feet above T. H. D., leaving 16·34 feet or 10,926 million gallons above the bottom of the lowest outlet.

All the visible leaks from the aqueduct between Tansa and Ghatkopar were measured during the year, the total leakage found amounting to 1·17 million gallons per day.

There have been no bursts, accidents or interruptions in the supply from Tansa during the year.

The purity of the water in the Lake has been satisfactorily maintained. The following are the results of analysis of samples of water taken from the Lake from time to time :—

Date of Analysis.	Grains per Gallon.		Parts per million.		Nitrites.	Remarks.
	Total solids.	Chlorine.	Free Ammonia.	Albd. Ammonia.		
10th April	6·00	0·6	*Nil.*	·21	*Nil.*	
3rd July	8·00	0·7	*Nil.*	·13	*Nil.*	
3rd October	8·00	0·9	*Nil.*	0·76	*Nil.*	
8th January	7·00	0·6	·026	·104	*Nil.*	

Vehar Lake.

The total rainfall for the year was 60·27 inches or about 29 per cent. below the average for the preceding five years ; the rainfall for the preceding five years being—

67·03 inches in 1906
88·51 „ „ 1907
76·54 „ „ 1908
114·26 „ „ 1909
77·50 „ „ 1910

Rain fell on 88 different days and exceeded 3 inches per day on five occasions. On 15 days the rainfall varied from 1 to 2½ inches.

The total rainfall on the catchment area of 3,900 acres amounted to 5,325 million gallons, and it is estimated that 2,781 million gallons or 52 per cent. of this quantity was received in the Lake.

The Lake did not overflow during the year, the highest level attained being 252·15 feet above T.H.D. or 12·35 feet below the waste weir and 21·65 feet above the lowest outlet.

Owing to the partial failure of the monsoon and the low level of water in the lake, it was found nccessary to curtail the supply from Vehar to the extent of 3¼ million gallons per day. This curtailment which was effected on 7th November 1911 naturally gave rise to numerous complaints and the question of duplicating the Siphons from Tansa to Bombay to increase the supply to the city is receiving serious consideration.

The question of utilizing the Powai Lake was also seriously considered, but after a series of careful analyses it was decided to abandon the idea of supplying water from this lake into the City.

The total quantity of water lost by evaporation, leakage and supply from the Vehar Lake, between 1st April and 31st May was 1,074 million gallons and between 1st December and 31st March 1,482 million gallons, making a total of 2,556 million gallons for 183 days, or an average of 13·97 million gallons per day.

The total quantity of water received in the City during the year through the 32″ and 24″ diameter mains from the Lake was 3,457 million gallons, making an average of 9·44 million gallons per day.

The loss of water by evapcration from the Lake averaged 3·93 million gallons per day ; the observed evaporation being—

April	1911	6·00	inches.
May	„	6·20	„
November	„	3·00	„
December	„	3·19	„
January	1912	3·10	„
February	„	2·90	„
March	„	4·15	„

149. The lowest depth to which the water in the lake was drawn before the monsoon of 1911 was 245·54 feet above T. H. D., leaving 15·04 feet or 3,152 million gallons in the lake for further supply in the event of the monsoon failing.

150. There were no bursts on the 32" Vehar main during the year.

151. The purity of this water has been well maintained notwithstanding the low level of the lake. The following statement shows the results of analysis made at different periods of the year.

Date of Analysis.	Grains per gallon.		Parts per million.		Nitrites.	Remarks.
	Total solids.	Chlorine.	Free Ammonia.	Albd. Ammonia.		
10th April 1911	8·00	0·9	*Nil*	·266	*Nil*	
3rd July 1911	9·00	0·9	*Nil*	·204	*Nil*	
4th October 1911 ...	6·00	1·2	*Nil*	·186	*Nil*	
8th January 1912 ...	8·00	0·9	·032	·23	*Nil*	

Tulsi Lake.

152. The total rainfall for the year was 70·35 inches or 33 per cent. below the average for the preceding five years; the rainfall for the preceding five years being—

92·62 inches in 1906.
119·51 „ 1907.
101·96 „ 1908.
127·21 „ 1909.
84·36 „ 1910.

Rain fell on 80 days and exceeded 4 inches per day on two occasions. On 20 days it ranged from 1 to 3½ inches per day.

153. The total rainfall on the catchment area (1,700 acres) amounted to 2,710 million gallons, and it is estimated that 1,597 million gallons or 59 per cent. of this quantity was received in the lake.

154. The lake did not overflow during the year, the highest level reached being 455·40 T. H. D. on 10th September when the total rainfall amounted to 67·67 inches.

155. The total quantity of water lost from the lake by evaporation, leakage and supply between 1st April and 31st May was 244 million gallons, and between 1st December and 31st March was 631 million gallons, making a total of 875 million gallons for 183 days, or an average of 4·78 million gallons per day.

156. The total quantity of water received in the City during the year was 1,273 million gallons, or an average of 3·48 million gallons per day.

157. The average loss of water per day by evaporation from the lake was ·93 million gallons, the observed evaporation being —

6·00 inches in April 1911.
6·20 „ „ May 1911.
3·00 „ „ November 1911.
3·10 „ „ December 1911.
3·10 „ „ January 1912.
2·90 „ „ February 1912.
5·00 „ „ March 1912.

The lowest level to which the water in the lake was drawn before the monsoon of 1911 was 438·18 feet T. H. D., leaving 38·82 feet or 935 million gallons in the lake for further supply.

There were no bursts, accident or interruptions in the supply from Tulsi during the year.

The following table shows the results of analysis of the water in the lake at various periods of the year :—

Date of Analysis.	Grains per gallon.		Parts per million.		Nitrites.	Remarks.
	Total solids.	Chlorine.	Free Ammonia.	Albd. Ammonia.		
10th April 1911	7·00	0·9	*Nil*	·366	*Nil*	
3rd July 1911	7·00	0·8	·016	·23	*Nil*	
4th October 1911 ...	8·00	1·0	*Nil*	·17	*Nil*	
8th January 1912 ...	8·00	0·7	·032	·228	*Nil*	

RESERVOIRS AND FILTERS.

The work of water-proofing the Reservoirs and Filters at Bhandarwada, commenced on 26th March 1907, was completed during the year, resulting in a reduction of about 97 per cent. in leakage. These satisfactory results have led to similar works being undertaken at the Malabar Hill Reservoirs and Filters. The latter works were commenced on 13th July 1911 and by the close of the year the work of plastering the four original filter-beds was practically completed. The filtering materials are now being washed and replaced.

In addition to the water-proofing works at Malabar Hill and Bhandarwada Reservoirs, several minor works have been executed with a view to improving quality of the water and the conditions of storage. At Bhandarwada the old timber covers over the inlet and outlet channels, which have been in existence since the construction of the reservoir, have been permanently replaced by reinforced concrete covers, and similar works are now also being carried out at Malabar Hill. The ventilators over the roof of No. 1 Reservoir at Malabar Hill, which were raised to a height of 10 feet in 1908, have been cut down and altered to improve the appearance of the garden. A by-pass connection has been made between the Tansa inlet main and Reservoir No. 2 at Malabar Hill, which enables Tansa water being taken into either No. 1 or No. 2 Reservoir independently, resulting in an increased storage capacity of about one million gallons. The filtering area at Malabar Hill has also been enlarged with slight alterations to the filters, to the extent of 150 square yards. The filtering area at Bhandarwada is also being similarly increased.

Owing to the number of works carried out in the filters at Malabar Hill and Bhandarwada, it has been necessary to throw them out of use from time to time, but suitable arrangements were made to filter the supplies from Vehar and Tulsi as usual. Owing to the low level of the water in the Vehar Lake, Vehar filters could not be worked during the year and the supply through the 24″ Vehar main to the northern portions of the City and outlying districts was, therefore, distributed unfiltered.

DISTRIBUTION OF WORKS.

Works in connection with the renewing, enlarging and laying of additional water mains have been continued during the year, about 11½ miles of new pipes having been laid. The following table shows the sizes and lengths of various water mains laid during the year:—

Ward.	Locality.	Size of old main.	Size of new main.	Length of new main.	Remarks.
A	Green Street	3"	5"<6"	85	
	Ghoga Street	3"	5"	380	
	Bastion Road	*Nil.*	6"	815	
	Colaba Road	7" & 12"	12"	1,975	Additional 12" main laid.
	Ravelin Street	*Nil.*	6"	820	
	Murzban Road	*Nil.*	5"	755	
	Esplanade Road	4"	8">7"	65	
	Connon Road	*Nil.*	6"	300	
	Mint Road	4"	5"	1,120	Additional 5" main laid.
	Sassoon Dock Road No. 1 and 2	*Nil.*	4"	595	
	Fort Street	*Nil.*	6"	555	
	Thomas Street	4"	6"	445	
	Pilot Bunder Road ...	*Nil.*	5"	455	
	Mody Street	3"	5"	1,600	
	Nowroji Cross Lane ...	3"	4"	185	
	Queen's Road between Wodehouse Bridge Road and Band Stand	*Nil.*	5"	1,410	
	Dwarkadas Street, East and West	3"	4"	310	
	Pitha Street...	3"	5"	540	
	Bhoiwar Lane	3"	5"	360	
	Homji Street	3"	5"	705	
	Parsi Bazar Street	3"	5"	490	
	Police Court Lane	3"	5"	300	
	Mangesh Senoi Street ...	3"	4"	345	
	Ghola Lane	3"	4"	305	
	Jijibhoy Dadabhoy Lane ...	3"	5"	505	
	Jiwaji Lane...	3"	5"	135	
	Bomanji Lane	3"	4"	130	
	Maruti Lane	3"	5"	505	
	Nanabhai Lane	3"	4"	520	
	Wodehouse Road South End	*Nil.*	6"	585	
	Chana Street, East and West	3"	6"	315	
	Bora Bazar Street	3"	6"	1,380	
	Elphinstone Circle	3"	4"	95	
	Churchgate Street	8"	6"	610	
	Carnac Road to Carnac Road Bridge	9"	15"	1,092	Additional 15" main laid.
B	Nishanpada to Jail Road South	3"	5"	480	
	Tandel Street to Jail Road South	3"	5"	667	
	Parel Road to Pydhoni Road	28" & 4"	5"	2,600	Additional rider main.
	Sandhurst Road to Nishanpada Road and Old Nagpada Street	*Nil.*	12"	703	
	Sandhurst Road to junction of Parel Road	*Nil.*	5"	1,444	
	Do. ...	*Nil.*	5"	1,699	
	Memonwada to Old Nagpada Road	3"	5"	870	
	Memonwada to Musjid Bunder Road	3"	5"	1,110	
	Chunam Kiln Cross Street to Sandhurst Road	3"	5"	786	

Ward.	Locality.	Size of old main.	Size of new main.	Length of new main.	Remarks.
B—*ctd.*	Nagdevi Road to Pydhoni Road	3″	5″	417	
	Kambekar Street to Chunam Kiln Street	3″	5″	540	
	Jackeria Musjid to 1st Chinch Bunder	3″	5″	300	
	1st Chinch Bunder to Tantanpura	3	5″	752	
	Tandel Street to Old Nagpada.	3″	5″	400	
	Nishanpada Road to Pydhoni Road	3″	5″	557	
	Nishanpada Cross Lane to Tandel Street	3″	5″	300	
	Tantanpura Street to Dontad Cross Lane	3″	5″	362	
	Israil Moholla to Dontad Cross Lane	*Nil.*	4″	129	
	Old Nagpada to Jackeria Musjid	3″	4″	157	
	Raichor Street	4″	4″	119	Extension.
	Sholapur Street	4″	4″	109	,,
	Poona Street	4″	4″	109	,,
	Kalian Street	4″	4″	78	,,
	Thana Street	4″	4″	82	,,
	Baroda Street	4″	4″	113	,,
	Chinch Bunder Row ...	4″	4″	38	,,
	Nagdevi Street from Musjid Bunder Road to Pydhoni Road	3″	5″	682	
	Narayan Dhuru Street from Pydhoni Road to Musjid Bunder Road	3″	5″	684	
	Nakhoda Street from Nagdevi Street to Abdul Rehman Street	3″	5″	407	
	Kolsa Street	3″	5″	394	
	Pydhoni Road from Parel Road to Dontad Road ...	3″	4″	770	
C	Kolbhat Lane	3″	9″	700	
	Dadysett Agiary Lane from Kalbadevi to Cathedral Street	3″	9″	492	
	Grant Road (from Parel Road to Duncan Road)... ...	4″ & 32″	10″	992	Additional rider main.
	Grant Road (from Duncan Road to Bapty Road) ...	*Nil.*	9″	190	
	Fanaswady Lane	3″	5″	895	
	Bapu Khote Street... ...	3″	5″	960	
	New Cavel Street	*Nil.*	5″	44	
C & D	Khetwady Main Road ...	4″	6″	96	
	Do.	*Nil.*	3″	111	
D	Girgaum Back Road (from Thakurdwar to Churney Road)	6″	9″	2,860	
	Girgaum Back Road (from Churney Road to Girgaum Road)	6″	9″	876	
	Churney Road (from Girgaum to Queen's Road) ...	4″	6″	960	
	Girgaum Road along Kennedy Bridge	4″	6″	920	Additional mains.
	Do. ...	4″	4½	340	

Ward.	Locality.	Size of old main.	Size of new main.	Length of new main.	Remarks.
D—*ctd.*	Khetwady Main Road (from Churney Road to Khetwady 9th Lane)	4"	6"	900	
	New Chunam Kiln Road (from Girgaum Road to New Queen's Road) ...	*Nil*	6"	310	
	Khetwady 2, 3, 4, 6, 7, 8 Lanes.	3"	3"	237	Extension.
F	Sewri Road...	6"	6"	1,660	"
	Arthur Road Overbridge ...	*Nil*	4"	1,475	
	Arthur Road	4"	6"	492	
F & G	Currey Road	9"	4"	1,728	
G	Worli Drainage Channel ...	*Nil*	9"	1,450	
D & G	Clerk Road	8"	4"	1,455	Additional mains.
	Do.	8"	3"	613	
G	Ferguson Road	4"	12"	420	
	DeLisle Road	...	32"	4,000	
Salsette.	Vehar Main between Vehar and Kurla	32"	48"	5,000	

LIST OF BURSTS REPAIRED.

163. There were 41 bursts during the year as against 76 during 1910-11, 117 during 1909-10 and 132 during 1908-09 :—

27	Bursts on	3"	mains.
5	"	4"	"
7	"	6"	"
1	"	7"	"
1	"	18"	"
41			

164. The number of new connections made during the year was 629, including 17 branch connections. The connections cut off for various reasons numbered 225. The net increase therefore in the number of connections is 404 or 1·8 per cent. of the total number. The total number of connections now stands at 23,314.

165. The total number of meters at present in use is 3,134. The number of meters tested during the year was 1,313 with the following results :—

Stopped working	461
Working slow	174
Working fast	4
Test correct	674

These figures do not include a large number of tests made on the spot without removing the meters.

166. The number of disconnection orders submitted to the Standing Committee from time to time during the year was 304. All these were sanctioned and have been dealt with as follows :—

(1) Disconnection not enforced as the parties complied with the requirements	280
(2) Disconnections enforced	24

Financial.

167. The Budget grant for the maintenance of the Water Works, Ordinary Branch, for the year was Rs. 3,49,979 which, with the lapsed grants renewed and with the transfers and additional grants sanctioned, amounted to Rs. 3,74,166-5-6. The total expenditure incurred against this sum and paid for during the year amounted to Rs. 2,76,055-7-11, leaving an unexpended balance of Rs. 98,110-13-7, a portion of which will be renewed in 1912-13 to meet liabilities incurred during the year.

SPECIAL BRANCH, WATER WORKS.

The Special Branch of the Water Works Department continued their operations throughout the year with the result that 854 underground and 9,253 aboveground defects were detected and repaired. Some of these defects were of a very extensive nature, such as joint leaks on 24" main in Tulsi Pipe Line and Haines Road, 32" main in Gamdevi Road, and 32"×22" main in Gilder Street.

The following comparative statement shows the total length of water mains examined during the year under report and preceding years :—

	Excluding 2nd and subsequent tests.	Including 2nd and subsequent tests.
From 1st April 1906 to 31st March 1907	31,351	1,018,061
From 1st April 1907 to 31st March 1908	3,220	1,014,859
From 1st April 1908 to 31st March 1909	36,290	1,428,455
From 1st April 1909 to 31st March 1910	35,160	1,492,957
From 1st April 1910 to 31st March 1911	23,545	1,610,531
From 1st April 1911 to 31st March 1912	50,226	1,833,428

The total length of mains of all sizes sounded during the year was 46 miles and 3,460 feet.

The number of defect notices issued during the year was 4,594 against

5,072 issued during the year 1906-07
3,371 „ „ „ 1907-08
4,496 „ „ „ 1908-09
3,890 „ „ „ 1909-10
3,617 „ „ „ 1910-11

Particulars of the defects and leaks detected and remedied from 1st April 1911 to 31st March 1912 are given in the following statement marked A.

During the year under report 198 Waste Water Meter diagrams were fixed for 24 hours on several Deacon's Meter Districts in the City with a view to ascertain local consumption.

The quantity of water found running to waste as ascertained from inspection of water mains is given in the following statement :—

Month.	No. of Waste Water Meter Diagrams taken.	Wastage discovered and stopped in gallons per hour.	Wastage discovered and stopped on large sized mains in gallons per hour.
1911			
April	80	16,525	.....
May	89	19,140	.....
June	91	31,055	.....
July	85	31,390	.....
August	85	34,860	.....
September	90	14,865	.....
October	92	35,710	.....
November	91	18,155	.....
December	75	14,825	38,950
1912			
January	92	13,125	1,050
February	84	23,475	20,950
March	86	16,320	3,000
Totals ...	1,040	2,68,945	63,950

Consequent on the reorganization of the Water Department, the Special Branch was incorporated with the Ordinary Branch on 1st March 1912.

Financial.

The Budget grant allotted for the year for carrying on the works appertaining to the Special Branch was Rs. 31,734-0-0.

The total expenditure incurred, including transfer, against this grant amounted to Rs. 24,898-9-8, leaving an unexpended balance of Rs. 6,835-6-4 which after deducting Rs. 257 for renewal from the lapsed grant to meet the liabilities incurred during the year but not yet paid and Rs. 3,774-0-0 already treated as saving as per Revised Estimate of Expenditure during the year 1911-12 attached to the Budget for 1912-13 results in a nett saving of Rs. 2,804-6-4.

This saving is chiefly due to vacancies in the establishment having remained unfilled pending the reorganisation of the Water Department.

STATEMENT **A.**

Summary of defects detected by the Special Branch, Water Works, at inspections, &c., from 1st April 1911 to 31st March 1912.

Period.	Nature of defects found on mains and underground portion of service pipes from the connection with the main upto and including the stop tap.																		Nature of defeects found aboveground beyond Road Stop Cocks and inside houses, etc.								
	Mains.		Sluice valve.		Hydrants. Old pattern.		Hydrants. New pattern.		Service pipes, couplings, holes, &c.		Stop tap. Old pattern.		Stop tap. New pattern.		Disconnected service pipes.				Stop taps.	Bib tap, taper tap.							
	Burst.	Joint.	Heavy.	Slight.	Heavy.	Slight.	Heavy.	Slight.	Broken.	Leaking.	Heavy.	Slight.	Heavy.	Slight.	Ferrule leak.	Pipe leak.	Water post.	Miscellaneous.		Out of order.	Leaking.	Left open.	Service pipe.	Ball valve out of order.	Storage tanks without ball valves.	Meter flange coupling, holes, &c.	Miscellaneous.
1911																											
April	...	...	2	8	5	7	2	1	15	10	1	3	1	3	1	...	1	...	...	13	169	3	11	10	2	...	...
May	1	1	1	7	1	7	7	8	15	20	4	1	2	4	...	4	1	...	...	44	115	...	11	5	...	1	...
June	1	3	1	5	4	10	3	1	9	34	4	4	3	3	4	2	2	1	...	54	150	...	11	3	8	1	...
July	2	4	4	4	3	8	1	...	7	10	1	...	1	1	...	1	...	...	1	39	138	...	1	...	...	1	...
August	4	5	2	5	3	6	6	9	13	16	2	3	1	4	1	1	3	...	...	38	173	...	3	4	...	...	...
September ...	2	5	3	5	4	6	1	5	17	14	3	1	...	12	1	...	1	4	...	49	148	...	3	1	8	...	...
October	3	6	5	9	1	5	7	8	10	6	...	8	1	1	...	2	...	1	2	16	78	...	3	...	...	1	...
November ...	3	2	...	6	5	9	3	4	11	5	2	5	1	...	4	3	1	1	...	22	231	...	2	2	...	...	...
December ...	1	2	2	...	4	4	5	3	5	12	2	1	...	4	3	11	1	...	...	21	137	...	1	...	...	...	.....
1912																											
January... ...	...	9	1	6	5	3	2	3	8	10	...	...	...	3	...	3	...	...	2	22	183	...	1	2	...	...	.....
February ...	1	13	3	9	2	2	6	6	13	10	1	2	2	5	2	1	...	2	...	39	233	...	6	...	...	...	2
March	4	2	8	10	1	3	11	7	4	14	2	...	1	1	...	...	...	2	1	54	238	...	3	...	...	...	.....
Total ...	22	52	32	74	38	70	54	55	127	161	22	28	13	41	16	28	10	11	6	411	1,993	3	56	27	18	4	2

Total No. of defects = 3,374 (854 underground and 2,520 aboveground).

General statement of defects found at the Inspections of House Fittings from 1st April 1911 to 31st March 1912.

Period.	Bib taps leaking.	Taps running full-bore and taps left open and pipes without taps.	Ball valve and tanks out of order and leaking.	Stop taps leaking.	Service pipes leaking.	Hydrants. Old pattern.	Hydrants. New pattern.	Sluice valve leaking.	Burst.	Miscellaneous.*
1911										
April	106	72	8	10	30	1	.....	1	.....	7
May	80	42	...	22	37	.....	2	.....	.....	19
June	73	34	8	13	21	.....	2	1	.....	3
July	93	32	6	9	17	.....	1	.....	.....	4
August	112	34	3	7	22	.....	.....	.....	.....	3
September ...	170	51	...	3	21	.....	.....	.....	.....	10
October	812	60	...	65	167	.....	1	.....	.....	10
November ...	741	...	27	20	156	1	2	.....	.....	3
December ...	379	...	53	24	138	1	.....	.....	.....	4
1912										
January... ...	502	...	33	27	164	.....	.....	4	.....	13
February ...	825	7	49	22	93	.....	.....	2	.....	7
March	801	38	61	59	130	13	9	11	.....	16
Total ...	4,694	370	248	274	996	16	17	19	.....	99

* Building works, broken meters, trading places, where there is unmetered supply

Total number of defects = 6,733.

Grand total of defects of all kinds detected from 1st April 1911 to 31st March 1912 = 10,107 (854 underground and 9,253 aboveground).

H. J. T. SMITH,
Hydraulic Engineer.

SUMMARY OF CLERICAL WORK DONE BY THE WATER WORKS DEPARTMENT.

1.	The No. of letters received during 1911-12	20,638
2.	The No. of letters despatched	18,839
3.	The No. of references made to Inspectors	29,939
4.	The No. of reports received from the Inspectors	28,467
5.	The No. of vouchers received and passed	2,042
6.	The No. of Departmental and Private Works bills prepared and forwarded	2,832
7.	The No. of references made to the Inspectors, &c., for certificates on vouchers	1,806
8.	The No. of reports and certificates received from the Inspectors	1,806
9.	The No. of requisitions received and forwarded	2,552
10.	The No. of Notices issued in connection with defective pipes and fittings	4,594
11.	The total No. of Contracts executed	2
12	The No. of advices sent to the Chief Accountant	3,004

K—FIRE BRIGADE.

1. The Department has been maintained in a state of efficiency during the year. All appliances are in good condition and thorough working order. The general health of the Brigade has been good.

2. Mr. W. Nicholls, Chief Officer, was allowed long leave from 1st June 1911 to 16th of January 1913, with a view of retiring on its expiration.

Head Foreman, Mr. G. F. Weston, acted for him from the 1st of June to the 23rd of July; and Mr. T. C. Greenop was appointed as Acting Chief Officer of the Brigade as per Standing Committee's Resolution No. 1208 of 31st May 1911 and took over charge of the Brigade on July 24th 1911.

3. During the year Head Foreman Mr. G. F. Weston and Foreman Mr. W. Scott were invalided by the Fire Brigade Surgeon, and were awarded monthly pensions by the Standing Committee of Rs. 125-15-4 and Rs. 42-11-8 respectively. The latter being granted as a special case.

Several members of the Brigade received injuries at fires, none of which, however, proved serious.

Thirty members resigned or otherwise left the service.

4. Fire Hydrant inspection throughout the City has been carried out periodically by the Brigade.

5. The fire services at the Municipal Office and Markets have been kept in good working order, and the Employés periodically drilled in the use of the appliances.

6. The water-supply at fires has been satisfactory, and the attendance of the water work staff prompt and of assistance to the Brigade.

7. The Van located at Byculla Fire Brigade Station, carrying implements for the rescue of persons from the debris of fallen buildings, was only called into requisition once during the year. Five persons were recovered from the debris, of whom three were dead when extricated, and two were removed to Hospital.

One died on the way to Hospital, and the other was medically treated and discharged.

On the 26th of February a large stack of cotton in a godown at Pasta Lane, Colaba, suddenly collapsed burying five persons.

The Van attended, but the Brigade being already in attendance it was not required. The five persons overwhelmed were soon recovered, two of whom were dead when extricated, and three slightly injured, the latter were immediately removed to hospital, treated and discharged.

Plucky .conduct was shown on November 8th, 1911, by a member of the Brigade in descending a deep well unaided, and rescuing a woman who was on the point of drowning. On being brought to the surface artificial respiration was resorted to by a Brigade Foreman effectively. The woman was afterwards removed to hospital, treated and discharged.

8. A contract entered into with Messrs. Balmer Lawrie & Co. for the supply of one Steam Motor Engine, one Petrol Motor Engine, one Petrol Motor Chassis, one Fire Escape and 50 lengths of delivery Hose, has not yet been executed on account of the labour troubles in England. An extension was applied for on this account and granted.

9. Provision has been made in the ensuing year's Budget for the supply of one Steam Motor Engine. Two Petrol Motor Engines and 3,250 feet of delivery Hose and other appliances.

10. The Motor Turntable 80 feet ladder, supplied by Messrs. Balmer Lawrie & Co., and the Chief Officer's Motor Car sanctioned by the Corporation, have been delivered during the year and up to the present have given every satisfaction.

11. The new Station at Elphinstone Bridge Road is nearing completion and will be opened shortly.

12. The question of erecting an up-to-date Motor Station in place of the existing Fort Station is still under the consideration of the Corporation.

13. A new up-to-date Motor Station to replace the existing Manual Station at Dadar, for protecting the Northern part of the Island, to which the City is now spreading, is still under consideration.

14. All Telephone arrangements have worked satisfactorily during the year and the question of providing a system of Fire Alarm with Telephones will shortly be brought before the Corporation, with a view of an installation being established, provision for which has been made in the ensuing year's Budget.

15. The most disastrous fire of the year, was that which occurred at Pasta Lane, Colaba, on the 20th February, where 15 stacks of cotton covering an area of about 260 × 250 feet were severely or otherwise damaged. On the arrival of the Brigade the fire had obtained a strong hold and fanned by the strong breeze that was blowing spread rapidly, and it was with difficulty that the Brigade succeeded in preventing the fire from spreading to the adjoining godowns. After about five hours' work the fire was got in hand, but not before damage to the extent of Rs. 20,00,000 was done. Full details of this fire have been forwarded to the Corporation.

16. The Budgetted strength and equipment of the Brigade is as follows :—

Strength.

1	Chief Officer.	10	Engineers.	176	Firemen of Grade.
2	Clerks.	14	Motor Drivers. (7 to be engaged during the year.)	8	Drivers.
1	Head Foreman.			8	Grooms.
7	Foremen.	15	1st Class Tindals.	1	Chauffeur.
1	Mechanic (to be engaged on arrival of Motor appliances).	9	2nd Class Tindals.		

making a total of 253 men of all ranks.

Equipment.

8	Horse-drawn Steam Fire Engines.	17	Hose Reels.
2	Petrol Motor Engines. (1 not yet received.)	8	Tender Carts.
3	Steam Motor Engines. (1 not yet received.)	8	Hand-propelled Escapes. (1 not yet received.)
1	Petrol Motor Tender and Fire Escape combined.	1	Van.
1	Motor turntable Ladder.	16	Horses.
1	Motor chassis, to be converted into a chemical Engine, (not yet received).	8	Manual Engines.
1	Chemical Horse-drawn Engine, to be converted into a hose and store Van.	1	Brake.
		1	Motor Car.

556 Lengths of Rubber-lined Delivery Hose aggregating 27,800 feet, (50 lengths not yet received), and other necessary Fire-extinguishing appliances.

The distribution of Engines, etc., is as under :—

Numbers.	STATIONS. NAMES.	Horse-drawn, Chemical.	Petrol Motor Pump.	Motor Steamer.	Horse-drawn Steamer.	Manual.	Petrol Tender and Escape.	Motor Ladder 80 feet.	Hose Reels.	Tender Carts.	Fire Escapes.	Brakes.	Vans.	Horses.	Delivery Hose.	Foremen.	Engineers including one Mechanic.	Motor Drivers.	First class Tindals.	Second class Tindals.	Firemen of Grades.	Drivers.	Grooms.	Remarks.
1	Byculla	1	...	...	3	2	...	...	2	2	1	1	1	6	107	1	3	1	2	1	33	3	3	
2	Haines Road	...	1	...	...	...	1	...	...	...	...	...	...	...	70	1	1	2	1	1	18	...	...	
3	Gowalia Tank	...	...	...	1	1	...	...	1	1	1	...	...	2	89	1	1	...	2	1	16	1	1	
4	Chinchpokli	...	...	...	1	...	...	...	1	1	1	...	...	2	34	1	1	...	1	2	14	1	1	
5	Baboola Tank	...	...	...	1	...	...	...	2	1	1	...	...	2	34	1	1	...	1	1	15	1	1	
6	Fort	...	...	...	1	...	...	...	1	1	1	...	...	2	34	1	1	...	1	1	16	1	1	
7	Colaba	...	...	...	1	1	...	...	4	1	1	...	...	2	60	1	1	...	1	1	14	1	1	
8	Bhuleshwar	...	...	1	...	...	...	...	1	...	1	...	...	...	38	...	1	2	1	1	15	...	...	
9	Elphinstone Bridge Rd.	...	...	1	...	...	...	1	1	1	1	...	...	...	38	1	1	2	1	1	14	...	...	Shortly to be opened.
10	DeLisle Road	...	...	...	...	1	...	...	1	...	...	...	...	...	13	...	...	...	1	...	7	...	...	
11	Mahim	...	...	...	...	1	...	...	1	...	...	...	...	...	13	...	...	...	1	...	7	...	...	
12	Dadar	...	...	...	...	1	...	...	1	...	...	...	...	...	13	...	...	...	1	...	7	...	...	
13	Mazagon...	...	...	...	...	1	...	...	1	...	...	...	...	...	13	..	...	...	1	...	7	...	...	
	Total ...	1	1	2	8	8	1	1	17	8	8	1	1	16	506	8	11	7	15	9	183	8	8	

17. The number of calls to fires, or supposed fires, has been 134, which involved the turning out of engines and men, and resulted in 124 fires and 10 alarms. 71 fires were extinguished by the Brigade appliances and 53 before the arrival of the Brigade.

18. The estimated damage to the property has amounted to Rs. 23,04,703, showing an increase of Rs. 17,27,961, as compared with the preceding year.

19. The amount of damage to property at the 71 fires, extinguished by the Brigade appliances, is estimated at Rs. 22,87,897, whilst the property in imminent risk of becoming involved has been rated at Rs. 1,19,47,585.

20. The estimated damage to insured properties has been Rs. 22,56,024, and to uninsured Rs. 48,679. The number of buildings damaged by fire during the year was 36, of which 24 were insured and 12 uninsured. Fires in buildings where only the contents were damaged, numbered 55, of which 16 were covered by insurance, whilst in 39 cases, no insurance had been effected. 33 fires occurred on open ground principally consisting of jowli huts.

21. 16 Fires were extinguished by the aid of Steamers, 20 by Hydrants, 35 by Hand pumps and buckets, and 53 by private appliances.

22. The estimated quantity of water used for extinguishing fires has been 24,95,310 gallons, or about 11,139 tons, of this quantity 22,22,710 gallons was taken from street mains, 2,70,000, from the sea, 2,600, from wells and tanks.

23. The fires of 1911-1912 show an increase of 7 as compared with 1910-11, and with the average of the past ten years an increase of 22 fires.

Table No. 1.

List of causes of fires for the year 1911-1912.

CAUSES.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	February.	March.	Total.
Candle, goods coming in contact with.	...	...	1	...	...	1	...	...	1	...	...	...	3
Chimney on Fire ...	...	...	...	...	...	...	...	...	1	..	...	...	1
Dammer boiling over ...	...	1	...	...	...	1	...	...	...	...	...	...	2
Defective carburation ...	...	...	...	1	...	...	...	...	1	...	...	...	2
Do. electric circuit.	...	...	...	1	3	1	...	...	...	...	1	...	6
Do. flue	...	...	...	...	...	...	...	...	1	1	...	1	3
Fat boiling over	...	...	...	1	...	...	...	...	...	...	...	...	1
Fire, spark from	...	...	...	...	1	...	1	...	1	...	...	...	3
Fireplace, overheat of ...	1	...	1	...	1	...	1	...	1	...	...	...	5
Foul flue	...	...	...	...	...	...	...	1	...	...	..	...	1
Friction	1	...	...	...	...	...	...	...	...	2	1	1	5
Hydrochloric acid, goods coming in contact with.	...	...	...	...	...	...	...	...	...	1	...	1	2
Kerosine oil lamp, explosion of.	...	...	...	...	...	...	...	...	1	...	...	...	1
Do. do. do. goods coming in contact with.	...	...	...	...	...	...	...	1	...	...	...	1	2
Do. do. do. overheat of.	...	...	...	1	1	4	4	1	...	...	...	1	12
Do. do. do. upset.	1	...	...	...	...	...	1	2	...	...	...	...	4
Light thrown down ...	4	5	2	3	...	1	4	1	4	2	3	5	34
Locomotive, spark from ...	2	1	...	...	...	...	...	...	...	2	...	...	5
Machinery, overheat of ...	...	...	...	...	...	...	...	...	...	1	...	...	1
Oil lamp, upset	1	...	...	...	1	...	...	...	...	...	...	...	2
Stove, overheat of ...	...	1	...	...	1	...	...	...	...	...	...	1	3
Stove, spirit, exploding ...	...	...	...	...	...	...	...	...	1	...	2	1	4
Do. do. upset ...	...	...	...	...	...	...	...	1	...	...	...	...	1
Unknown	2	...	...	...	1	2	4	...	2	1	4	5	21
Total ...	12	8	4	7	9	10	15	7	14	10	11	17	124

Table No. 2.

Monthly Summary of Fires and Annual Losses for the period 1902-1903 to 1911-1912.

Year.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	February.	March.	Total.	Estimated Loss.
														Rs.
1902-1903...	6	10	4	4	6	1	6	8	7	8	15	5	80	6,17,834
1903-1904 ...	8	10	6	3	1	5	4	7	4	7	11	12	78	10,94,563
1904-1905 ...	4	9	7	2	3	5	5	18	9	6	13	7	88	22,11,462
1905-1906 ...	5	5	4	10	5	8	7	13	10	5	9	27	108	15,45,126
1906-1907 ...	5	16	25	7	6	4	4	9	6	9	9	10	120	55,38,801
1907-1908 ...	12	10	7	4	1	6	6	13	10	11	18	4	102	38,36,274
1908-1909...	7	11	7	5	2	8	11	11	9	12	9	10	102	23,94,164
1909-1910 ...	9	18	8	7	6	4	9	5	7	10	17	9	109	15,05,557
1910-1911 ...	8	8	9	14	3	2	7	18	16	8	13	11	117	5,76,742
1911-1912 ...	12	8	4	7	8	12	14	7	13	11	11	17	124	23,04,703

Table No. 3.

List of Fires through which property to the extent of Rs. 2,000 and upwards was destroyed during the year 1911-1912.

Date.	Locality.	Description of Property destroyed.	Estimated Value.
1911.			Rs.
25th July ...	Queen's Road	Motor Car	5,000
3rd August ...	Cavel Street	Building	6,300
11th September ...	Nishanpada Street	Do.	15,050
25th October ...	Kalbadevi Road	Do.	15,500
7th November ...	Pedder Road	Motor Car	2,000
3rd December ...	Nishanpada Road	Building	11,500
16th ,, ...	Ghorupdeo Road	Do.	29,035
1912.			
9th January ...	Parel	Cotton	10,000
15th ,, ...	Colaba	Do.	2,000
27th ,, ...	Ghorupdeo Road	Do.	20,000
7th February ...	Tardeo Road	Do.	60,000
11th ,, ...	Colaba, Arthur Bunder	Do.	1,00,000
20th ,, ...	Colaba, Pasta Lane	Do.	20,00,400
27th ,, ...	Bastion Road	Theatre	3,000
9th March ...	Apollo Bunder	Building	2,500
21st ,, ...	Grant Road	Chawl	3,750
29th ,, ...	Meadow Street	Shop	2,000

L.—PUBLIC GARDENS.

REPORT OF THE SUPERINTENDENT OF MUNICIPAL GARDENS RECEIVED UNDER HIS No. 425 OF 15TH MAY 1912.

SIR,

I have the honour to submit the Annual Report on the administration of the Municipal Gardens under my charge for the year ended 31st March 1912.

2. The following gardens were maintained during the year under report :—

(*a*) Victoria Gardens.

(*b*) Elphinstone Circle Garden.

(*c*) Northbrook Garden.

(*d*) Malabar Hill Garden.

(*e*) Dick's Tank Garden.

(*f*) Falkland Road Garden.

(*g*) Sir Cawasji Jehangir Garden at Mahim.

(*h*) Bazar Gate Garden.

(*i*) Municipal Office Garden.

(*j*) Esplanade Band Stand Green.

(*k*) Chowpatty Bandstand (temporary).

3. The total number of visitors to the Victoria Gardens during the year under report was 1,618,810 which is almost the same as that of 1,618,724 in the previous year.

4. The difficulty of maintaining the full staff of mallees and of obtaining even ordinary coolies continues, especially at certain times of the year, *viz.*, from about February to July, and the work has to be carried on short-handed during that period. This state of affairs is not confined to Bombay alone but the reports of all the other Indian gardens, such as those of Poona, Lucknow, Saharanpur, Lahore, &c., tell the same tale yearly, the supply of mallees being not at all equal to the demand for them. This is due to the great demand for labour everywhere and partly also to the changing ideas of the people of this country. In former days the people of the mallee class always stuck to their own profession, their boys being brought up in the same profession from a very young age and they never thought of changing it afterwards for another. Now-a-days they accept service wherever they can get higher wages and have consequently no opportunity or inducement to be properly trained up in the profession.

5. Several roads were remetalled and all the roads repaired and kept in good order throughout the year.

6. The small piece of storm-water drain near the Refreshment Room mentioned in paragraph 6 of the last report was completed during the year under report.

7. Five other clumps of bamboos in the garden flowered during the year under report, but 17 more have not done so yet.

8. The work of renovating some of the lawns and of planting new shrubs, trees, &c. added to the garden collection, in suitable places, has been continued.

9. A list of new plants added to the collection during the year under report is given in Appendix A.

10. The new conservatory was planted out during the rainy season, and though it will be some time before the plants will grow sufficiently to have their full effect, it has been much appreciated as it is by all those who take an interest in such things.

11. Except during the rainy season band performances were given as usual at the Victoria Gardens and the Esplanade Bandstand, and they were also commenced to be given from October 1911 at a temporary Bandstand put up at Chowpatty on a plot of ground leased for the purpose from the Bombay Improvement Trust, in accordance with the Corporation Resolution No. 47, dated 3rd April 1911.

12. At the Esplanade Bandstand the performances were given every Saturday and every alternate Wednesday, and they have continued to be very popular.

13. At Chowpatty they were given once a fortnight only on Tuesdays. They are much appreciated there, and would be still more so if the empty space all around the bandstand were turfed and kept suitable for promenading, and some seats and a few lights provided, the want of which has been found to be felt and expressed by the visitors.

14. At the Victoria Gardens free performances were given every alternate Saturday and performances with admission fee every alternate Wednesday or Thursday. But in accordance with Corporation's Resolution No. 4845 of 23rd November 1911, the days of performances with admission fee were changed to Saturdays from the 3rd February 1912, as any other day except Saturday or Sunday was found to be very inconvenient to the public to visit such a rather out-of-the-way place as the Victoria Gardens. The change has been justified by the results, there being generally more visitors on Saturday fee performances than on Wednesdays or Thursdays on previous occasions.. In all fourteen performances with admission fee were given during the year under report. The total number of visitors on these fourteen days when admission fee was levied was 17,288 and the total amount realized from the fees was Rs. 1,881-4-6, averaging 1,240 visitors and Rs. 134-6-0 on each day as compared with 1,064 visitors and Rs. 120 in the previous year, showing an increase in the number of visitors and the receipts which indicates the growing popularity of these performances.

15. Our acknowledgments are due to the Bombay Electric Supply and Tramways Co. for carrying the bandmen to the Victoria Gardens and Chowpatty in reserved cars, free of charge, as usual.

16. As the building which was used as a godown for garden implements and stores was in a very dilapidated condition and past repairs a new one near the office was constructed during the year under report.

17. No special works for the improvement of the zoo were carried out as no grants were allotted for the purpose. As some of the old cages are now in rather a dilapidated condition a small grant was sanctioned for their renovation, and it was intended to entirely re-build the old cage for parrots and cockatoos. The size of the cage which was designed in accordance with the amount available in the grant being however found too small for the purpose, the design had to be altered and the work could not therefore be carried out during the year under report.

18. The popularity of elephant rides continues, 7,338 adults and 12,226 children taking the rides during the year under report against 5,219 and 10,947, respectively, in the previous year, showing a large increase in the number of both. The camel rides were also taken more advantage of during the year under report, 397 adults and 343 children having taken rides during the year as compared with 145 adults and 167 children in the previous year.

19. The usual list of additions and casualties among the animals is given in Appendix B. Amongst those born in the gardens may be mentioned a Llama and a Ring-tailed Lemur, and among purchased ones a Red and Blue Macaw and Amhersts and Swinhœ's Pheasants. The important presents received during the year were a Himalayan Bear cub by Lieut. P. E. Etherton, a Persian Fox by Major Hume and Leopards by Nawab Mir Yusufalikhan Salarjang Bahadur, H. H. Raj Saheb of Vankaner and Mr. G. Agarwala respectively. Thanks are due to the Agents of the B. B. & C. I., the G. I. P., the O. & R. and E. I. Railway Companies for kindly granting free passes and concession rates for animals presented from upcountry. The chief casualties were a tiger and a leopard from old age, a lion cub which was received in a weak and paralysed condition, a Malayan Bear from anæmia, a Ring-tailed Lemur from Liver disease, a Victoria Crown Pigeon from pneumonia, a Mouse Deer, a Hog Deer, Antelopes, Kangaroo, and Wild Ass, chiefly from accidents and injuries, and a Pelican, a Rhea, a Wallaby, a Blue and Yellow Macaw and some pheasants and a few other birds from fowl cholera and septic gastro-enteritis of an infectious nature.

20. The Northbrook Garden and the Sir Cawasji Jehangir Garden at Mahim continue to be occupied with health camps.

21. As stated in para. 11 above a small plot of ground at Chowpatty has been leased from the Improvement Trust and a temporary Bandstand put up there for band performances for which there was a demand in that locality.

The Budget grants and the expenditure of the various gardens are given below :—

Name of Garden.	Budget Grants.	Expenditure.	
	Rs.	Rs. a. p.	
(*a*) Victoria Gardens	72,267	55,134 0 5	
		10,495 14 2	Amount to be paid for liabilities incurred in the year.
Do. New Works ...	12,606	7,559 4 3	
		5,046 11 9	Do. do. do.
(*b*) Elphinstone Circle Gardens ...	1,708	908 9 3	
		635 10 10	Do. do. do.
(*c*) Northbrook Garden	1,604	870 15 11	
		454 0 0	Do. do. do.
(*d*) Malabar Hill Garden	1,166	724 6 2	
		205 0 0	Do. do. do.
(*e*) Dick's Tank Garden	382	150 0 4	
		100 0 0	Do. do. do
(*f*) Falkland Road Garden ...	432	137 0 0	
		203 0 0	Do. do. do.
(*g*) Sir Cawasji Jehangir Garden ...	652	141 2 7	
		164 0 0	Do. do. do.
(*h*) Bazar Gate Garden	676	280 11 1	
		113 0 0	Do. do. do.
(*i*) Esplanade Bandstand	5,894	5,024 15 0	
		15 0 0	Do. do. do.
(*j*) Chowpatty Bandstand	1,150	1,099 7 6	
Total Rs. ...	98,537	89,462 13 3	

I have the honour to be,

Sir,

Your most obedient servant,

C. D. MAHALUXMIVALA,

Superintendent, Municipal Gardens.

APPENDIX A.

LIST OF PLANTS ADDED TO THE COLLECTION IN 1910-1911.

Names of Plants.	From whom received.
Ardisia mamillata	In exchange from the Director, Botanical Gardens, Seychelles.
Peperomia Fraseri	
Archnanthe (Esmeralda) aureum	Purchased from Mr. Shariff Shah, Imphal (Assam).
Do. (Esmeralda) Cathcartii	
Do. (Esmeralda) Clarkei	
Cœlogyne Ochracea	
Cymbidium giganteum	
Dendrobium gratissimum	
Do. sp.	
Vanda amesiana	
Do. Parishii	
Limnophyton obtusifolium	Received from Mr. H. M. Chibber, Assistant Professor of Botany, Agricultural College, Poona.
Utricularia stellaris	
Aponogeton crispum	Purchased from Royal Botanic Gardens, Peradeniya, Ceylon.
Aristolochia saccata	
Asarum geophilum	
Begonia Bismarckii	
Bertholletia excelsa	
Billbergia rosea	
Carludovica macrophylla	
Cassia multijuga	
Cordyline (Dracæna) belluba	
Do. (do.) terminalis	
Dracæna reflexa	
Do. gracilis	
Crinum Moorei	
Cyperus corymbosus	
Do. elegans	
Do. platyphyllus	
Dendrobium Macarthiæ	
Diospyros Elbenum	
Drimiopsis Kirkii	
Gracinia Mangostana	
Heliconia aurantiaca (brevispatha)	
Herpestris Monniera	
Hoffmannia (Higgimia) discolor	
Hydrocleys Commersoni (Limnocharis Humboldlii)...	
Iresine Herbstii	
Lagenandra toxicaria	
Licuala peltata	
Maranta tigrina	
Ochna Kirkii	
Marsilea quadrifolia	
Peperomia Saundersii	
Pitcairnia alata	
Saraca declinata	
Thyrsostachys (Bombusa) siamensis	
Tradescantia fuscata	
Vanda spathulata	

C. D. MAHALUXMIVALA,

Superintendent, Municipal Gardens.

APPENDIX B.

List of increase and decrease of animals in the Victoria Gardens during 1911-12.

A.—The following were added to the collection during the year under report :—

BY PRESENTATION.

1	Indian Antelope	Mr. M. H. Wenglay.
1	Leopard	,, G. Agarwalla.
1	Persian Gazelle	Sisters of Clare Road Convent.
2	Leopards	Nawab Mir Yusufali Khan Salarjang Bahadur.
1	Leopard and 3 Cubs	H. H. Raj Sahib of Vankaner.
1	Indian Fox	Mr. R. W. L. Dunlop.
1	Sloth Bear Cub	,, J. Pope.
1	Nilgai	Mrs. N. R. Kothawala.
1	Crocodile	Mr. H. Desmier.
1	Palm Civet	,, M. C. Petit.
1	Four-horned Antelope	,, C J. Ellery.
1	Leopard Cat	Bombay Natural History Society.
1	Caracal	Maharaja Regent Bahadur of Jodhpur.
1	Spotted Deer	Mrs. E. M. Robinson.
1	Four-horned Antelope	Do.
3	Hedge Hog	Mr. N. M. Mullan.
1	Persian Fox	Major Hume.
2	Wild Boar Cubs	Mr. E. N. Stanely.
1	Himalayan Bear Cub	Lieut. P. E. Etherton.
1	Negro Langur	Mr. H. Hobday.
1	Do.	,, C. Brown.
1	Indian Antelope	Captain J. Grinlinton.
3	Ouzels	Mr. J. Brown.
1	Four-horned Antelope	Mrs. M. H. Knapton.
1	Indian Squirrel	Mr. Garibdas Sadhu.

BORN IN THE GARDENS.

1	Ring-tailed Lemur.	2	Indian Gazelles.
9	Indian Antelopes.	1	Mongoose Lemur.
1	Nilgai.	2	Leopards.
5	Spotted Deers.	1	Four-horned Antelope.
4	Indian Wolves.	1	Llama.

BY PURCHASE.

7	Californian Quails.	4	Monaul Pheasants.
2	Amherst's Pheasants	1	Tragopan.
2	Swinhoe's ,,	4	Grey Jungle Fowls.
1	Red and Blue Macaw.		

B.—The following were among those that died during the year under report :—

7	Indian Antelopes.	1	Persian Gazelle.
1	Pelican.	1	Lion Cub.
1	Hog Deer.	2	Ring-tailed Lemurs.
1	Rhea.	3	Australian Magpies.
1	Malayan Bear.	1	White Peafowl.
1	Blue Heron.	1	Leopard.
2	White Storks.	1	Tiger.
1	Nilgai.	1	Red-necked Wallaby.
2	Reeve's Pheasants.	1	Blue and Yellow Macaw.
1	Victoria Crown Pigeon.	1	Swinhoe's Pheasant.
3	Silver Pheasants.	1	Wild Ass.
1	Black-tailed Wallaby.	1	Gazelle.
1	Red-billed Blue Magpie.	1	Sloth Bear.
2	Malbrouck Monkeys.	1	Ring-necked Pheasant.
1	Spotted Deer.	1	Indian Mouse Deer.
1	Monaul Pheasant.		

C. D. MAHALUXMIWALA,
Superintendent, Municipal Gardens.

M—VICTORIA AND ALBERT MUSEUM.

REPORT OF THE CURATOR AND SECRETARY, VICTORIA AND ALBERT MUSEUM, RECEIVED UNDER HIS No. 36, DATED 24TH APRIL 1912.

SIR,

I have the honour to submit the following Annual Report of the Victoria and Albert Museum for the year ending 31st March 1912.

2. The following table gives the comparative attendance of visitors to the Museum during the years 1910-11 and 1911-12 :—

Years.	No. of days the Museum was open.	Total No. of Visitors.	Daily average.
1910-1911	312	7,61,722	2,442
1911-1912	313	8,24,590	2,635

It will thus be seen, that the number of visitors to the Museum during the year under report exceeds that of the previous year by 50,000. On examining the totals of the number of visitors for each month of the year, I find that during the first part of the year the number of visitors showed a falling off. This, I think, was due to the Museum being partly closed on account of repairs, for when this work was completed and the cases and the specimens rearranged, the number of visitors rose and exceeded the average of previous years.

The Museum building.

3. During the year, the ceiling of the Museum was repaired and the walls were repainted. The closing of a portion of the Museum for this work enabled me to rearrange many of the cases and the specimens they contain.

General Equipment.

4. As stated in my last year's report, seven cases were removed from the Museum and sent to the Store-Keeper for disposal. To replace these, five new ones were purchased at a cost of Rs. 2,085 and these now contain the Natural History, Art, and Ethnological specimens, which are shown to much greater advantage than heretofore.

Natural History.

5(*a*). One hundred and fifty specimens of Fish found near Bombay were identified and labelled.

(*b*) Out of a collection of over two thousand specimens of shells, two hundred have been identified and labelled according to their different genera and species.

(*c*) The Black Indian Panther which was stuffed and mounted, is now exhibited in a new case, and is proving very attractive.

(*d*) The preservation of specimens in the Museum has been carefully attended to. Stuffed specimens in the large show cases have been treated with preservatives, and bottles containing specimens preserved in spirits, have been refilled.

(*e*) The animals that died in the Victoria Garden, which were received in a fit condition, were skinned and the skins treated with preservatives.

(*f*) Two specimens of Heike Crab found on the coast of Japan were presented to the Museum by Mr. F. H. S. Stone, Chief Officer, S.S. Arcadia.

(*g*) Descriptive labels containing a brief account of the habits, coloration, locality, etc., of the specimens in Natural History have been prepared and a considerable number have been printed and put up in their respective cases for the information of the Public.

Archæology.

6. The collection of archæological specimens has been entirely rearranged. A number of casts that could not be exhibited on account of insufficiency of room, have been temporarily housed in the School of Art. The valuable collection of Graeco-Bactrian or Gandhara sculptures have been arranged in their proper order and labelled. These, with an account of their origin, date, style and other characteristics have been exhibited in a special case made for their reception.

Thirty-one Bromide Prints of the Rock-cut Caves in Western India were purchased and have been framed and hung on the walls in this section.

Photographs of old buildings in Bombay have been made and these with others, which I propose to purchase, will be exhibited in a room specially set apart to hold objects bearing upon the former life and history of the city. The two plaster relief map of the Island of Bombay exhibited at the Old Bombay Exhibition have been presented by the Committee and are being placed in position in this room.

Economic Products.

7. Two specimens of Koftgari Work, a box and a stick were purchased and added to the collection of Metal Ware, which has been labelled during the year.

A case showing the various processes of the Agate Industry of Cambay reported to have been taken in hand in my last report, was completed during the past year. Specimens of rough and wrought agates together with artificial stones manufactured in Europe were procured, photographs of men working in the different branches of the trade were taken; implements used by the craftsmen of Cambay were secured, and these are now exhibited in one case. A short account of the different processes used in the production of polished agates has been printed to explain the exhibits.

Mr. K. R. Rane of Juvem, to whom the work of making the Cocoanut Industry case was entrusted, has kindly presented the Museum with a set of twenty-seven specimens illustrating the products of the Cocoanut Tree. Copies of photographs of the Cocoanut Industry exhibited at the last Franco-British Exhibition by the Collector of Excise, Bombay, were purchased, and these have been framed in a portion of the case together with a printed account of the industry as carried on in this Presidency.

The specimens of Carved Sandalwood and Inlaid work and of Stone work were rearranged and labels describing the various processes in the manufacture of these articles have been prepared.

A set consisting of forty-five specimens showing the different designs in inlaid wood work from Surat, was purchased at a cost of Rs. 90 from Mr. J. P. Watson and added to the collection of carved sandalwood and inlaid wood work.

A model of the Taj carved out of alabaster was purchased at a cost of Rs. 150 and added to the collection of Stone-ware.

Ethnology.

8. About twenty-seven models showing the various exercises practised by Hindu Ascetics were purchased for the collection of figures depicting the Religious Mendicants of India.

A brief account of the religious beggars belonging to the different sects has been prepared and will, when printed, be affixed to the case.

Models representing the different castes in India were made and added to the collection. These figures with those previously made have been rearranged in new cases specially made for them and descriptive labels have been prepared and printed. The models of Ethnological Heads of Trans-Himalayan Tribes were also rearranged in a new case.

A case containing a representation of a typical Indian Village is nearly completed. Various models depicting the life of the villagers have been made and arranged so as to give an adequate idea of what life in an Indian village is.

Mythology.

9. A valuable collection of models of the ancient Vedic Gods of India has been received and a short sketch of the attributes of these gods is ready for the press.

The collection of rosaries reported to have been commenced in my last report was completed by the purchase of rosaries used by the Muhamadans in India. A short note on the use of these rosaries by Buddhists, Catholics, Hindus and Muhamadans has been prepared and is affixed to the case.

Geology.

10. The Geological collection received a considerable amount of attention during the year under report. The specimens previously identified and arranged by Mr. H. M. Page were cleaned and replaced and a printed label is now attached to each specimen in the collection. A catalogue of the whole collection has now been made.

The following specimens were kindly presented by Mr. F. H. S. Stone, Chief Officer, S. S. Arcadia.

1 Specimen of Sugar Quartz.
3 Specimens of Quartz on dolerite.
30 Specimens of Pliocene Fossils from Malta.
15 Specimens of Igneous Rocks of China.
29 Specimens of Volcanic Rocks from Aden.
2 Specimens of Conglomerate.

Besides the above, six Neolithic Stone Implements from Suffolk, Kent and Dorset were presented by Mr. Stone, and five specimens of Paleolithic Stone Implements discovered by Mr. Stone in the grounds of the Government House, Malabar Point, Bombay, were presented to the Museum by His Excellency Sir George Sydenham Clarke, G.C.M.G., G.C.I.E., G.C.S.I., Governor of Bombay.

Library.

11. Books on different subjects connected with the Museum were purchased for the Museum Library. The total cost amounted to Rs. 497-7-1. The Museum also received books from the Smithsonian Institution and from Government the most important of these being " Anandale's Volume on Fresh Water Sponges, Hydroids, and Polyzoa."

As referred to in my last report, the work of printing labels was continued throughout the year. In all over 12,000 labels have been printed for the different sections of the Museum, and have been distributed as under :—

Mythology	1,290
Ethnology	3,190
Geology	4,735
Art	2,575
Natural History	300
Archæology	50

In February the Curator was deputed by the Government of Bombay to attend the Conference of Curators of Museums called together by the Government of India, and held in Madras. Various questions dealing with the relations of Local Museums to the Indian Museum and to each other were discussed, as well as matters connected with the internal Economy of museums. Resolutions were passed and a report of the Conference is being prepared which will be duly forwarded when it is received from the Secretary.

I have the honour to be,

Sir,

Your most obedient servant,

CECIL L. BURNS,

Curator and Secretary.

ANNUAL REPORT OF THE GENERAL STORES DEPARTMENT FOR THE YEAR 1911-12.

(Report of the Storekeeper submitted with his No. 2570 of 31st May 1912).

I have the honour to submit the following report on the administration of the Central Stores for the year 1911-12.

2. Captain J. Lacey held the post of the Storekeeper from the 1st April to 31st October 1911. He was on privilege leave from 1st June to 20th July 1911 during which period Mr. K. N. Ranina acted. On the retirement of Captain Lacey, Mr. E. J. Hale was appointed to act as Storekeeper pending the appointment of a permanent incumbent to the post on the increased scale of pay sanctioned under Corporation Resolution No. 4922, dated 27th November 1912. Mr. Hale continued in the appointment till the close of the year.

3. No improvement was effected during the year on the unprotected state of the Central Stores and of the Bellasis Bridge Pipe Depôt regarding which allusions were made in the reports of the previous years.

4. Lists showing (*a*) annual contracts and (*b*) other important contracts entered into during the year under report and a statement of important quotations called for during the same period are attached as usual.

5. The value of serviceable stock in hand, new and second-hand, on the 31st March 1912 aggregated Rs. 2,98,762-14-3 against Rs. 3,46,154-10-7 at the end of the previous year, showing a net decrease of Rs. 47,391-12-4. As in the previous year, the principal item of decrease was under Water Works Special Stores.

6. The value of Surplus and Obsolete Stores on the 31st March 1912 was Rs. 34,718-7-7, as compared with Rs. 43,086-12-0 for the previous year. The decrease of Rs. 8,368-4-5 was chiefly due to the sale of Stores condemned by the Hydraulic Engineer.

7. The value of stores on lines in charge of the different inspectors of the Water Works Department on the 31st March 1912 aggregated Rs. 1,14,951-6-5 against Rs. 1,18,731-13-1 at the end of the previous year.

8. During the year under review Water Works Stores of the book-value of Rs. 14,989-11-2 were sold by public auction as sanctioned in Corporation Resolution No. 1581, dated 19th June 1911.

9. Nothing has yet been decided about the sale of new second-hand and surplus Drainage Stores, about which allusion was made in the last year's report.

10. The usual statement, *vide* Appendix **D**, showing the value of stores purchased and issued during the year under review and the opening and closing balances, according to the ledgers of this Department is attached.

11. The work of verifying Stores was commenced by the late Mr. W. Atherton in August last. He however died in September 1911. The unfinished work was taken up by Mr. A. Simkins in December last, but the final result of the verification is not ready at the time of writing this report.

I have the honour to be,
Sir,
Your most obedient servant,

A. G. CHRISTIANSEN,
M.S.E., A.M.I.M.E.,
Storekeeper.

APPENDIX A.

Annual Contract during 1911-12.

Serial No.	Articles.	Names of Contractors.
1	Hardware Tools only	Messrs. Hasanalli Adamji & Co.
1A	Hardware other than Tools	,, ,, ,,
1B	Ship Chandlers Stores...	,, ,, ,,
1C	Brushes, Paints, Oils and Paints	,, ,, ,,
1D	Crockery, Lampwares, Glassware	,, ,, ,,
1E	Leather, &c.	,, ,, ,,
1F	Metals, Brass and Copper	,, ,, ,,
1G	Iron and Steel	,, ,, ,,
1H	Cutlery	,, ,, ,,
1I	Axes, Pick, Spades, Shovels, &c.	,, ,, ,,
1J	Plumbers' Stores, &c.	,, ,, ,,
1K	Harness and Saddlery	,, ,, ,,
1L	Miscellaneous articles	,, ,, ,,
1M	Petrol, Shell Brand	The Asiatic Petroleum Co.
2	Iron Castings	Messrs. Garlick & Co.
3	Timber	,, Bhawoo Kashinath & Co.
4	Timber (Benteak and Teakwood logs) ...	,, ,, ,,
5	Coats, Waterproof	,, ,, ,,
6	Umbrellas, Waterproof	,, Hasanalli Adamji & Co.
7	Oil, Kerosine, 125°	The Standard Oil Co.
8	,, ,, 150°	,, ,,
9	Oil, Cocoanut	Messrs. Manji Hirji & Co.
10	Oil, Castor and Sweet...	,, Keshawji Jadhavji & Co.
11	Cotton waste	D. R. Umrigar Sons & Co.
12	Oils, Mineral, Heavy Engine, &c.	Messrs. Macbeth Brothers & Co.
13	Oil, Linseed and Turpentine	,, Hasanalli Adamji & Co.
14	Favourite Axle Grease	The Vacuum Oil Co.
15	Canvas, Europe and Hose Canvas	Messrs. Hasanalli Adamji & Co.
16	Hose, Canvas Europe, 2½" under Writer brand.	,, Macbeth Brothers & Co.
17	Hose, Flaxen, India-rubber lined, 2½" ...	,, Bhawoo Kashinath & Co.
18	Gun Metal and Copper Scrap...	,, Hasanalli Adamji & Co.
19	Lead, Pig	,, D. R. Umrigar Sons & Co.
20	Lead Sheet and Lead Water-pipe	,, Hasanalli Adamji & Co.
21	Tin, Block and White Metal	,, ,, ,,
22	Steel, Mild Plates, Iron Bars, &c.	,, Mulji Haridas & Co.
23	Buckets, Galvanized	,, Hasanalli Adamji & Co.
24	Hoes, Iron Powras	,, ,, ,,
25	Chain, Iron	,, ,, ,,
26	Wood, fire and charcoal	,, ,, ,,
27	Brooms, Goa and Date	,, Bhawoo Kashinath & Co.
28	Baskets, Cane and Bamboo and Cane for Basket repairs	,, Haaanalli Adamji & Co.
29	Leather Hides...	,, ,, ,,
30	Indian-rubber sheets, washers, and rings ...	,, ,, ,,
31	Soaps of sorts	,, ,, ,,
32	Lanterns, Country and English Globes ...	,, ,, ,,
33	Wicks, cotton and tape cotton	,, ,, ,,
34	Nose string reins, neck straps for Bullocks ...	,, ,, ,,
35	Testers, smoke	,, ,, ,,
36	Shoes Bullock, nails for shoes and Lynch pins	,, ,, ,,
37	Line, Coir	,, ,, ,,
38	Rope, Coir and Rubber hand coir	,, ,, ,,
39	Rope, Hemp, old	,, Bhawoo Kashinath & Co.
40	Rope, Manilla	,, Hasanalli Adamji & Co.
41	Rope, cotton country and line log country ...	,, Bhawoo Kashinath & Co.
42	Yarn, Hemp and Spun	,, ,, ,,
43	Paints, Mixed, of sorts	,, Wilkinson Heywood and Clerk.

APPENDIX **A.**—*contd.*

Searial No.	Articles.	Names of the Contractors.
44	Paste and Shellac, Bengal	Messrs. Bhawoo Kashinath & Co.
45	Coal Tar and Dammer	,, Hasanalli Adamji & Co.
46	Files of sorts	,, Macbeth Brothers & Co.
47	Nails Rose, and Screws Iron	,, Hasanalli Adamji & Co.
48	Bolts and Nuts, W. I....	,, Bhawoo Kashinath & Cc
49	Nuts, Rivets and Washers, Iron	,, Hasanalli Adamji & Co.
50	Packing Carmel	,, ,, ,,
51	Packing Asbestos and Tucks, Patent and Water Gasket	,, ,, ,,
52	Galvanized Pipes and Fittings	,, ,, ,,
53	Shafts, Wooden Bhendy for Picks and Powras.	Mr. B. R. Soman.
54	Valves Ball Copper, self closing, reversible, and Brass levers, &c.	Messrs. Bhawoo Kashinath & Co.
55	Cloth, Dungry, stout and thin...	,, Hasanalli Adamji & Co.
56	Cumblees, Woollen, black	,, ,, ,,

A. G. CHRISTIANSEN,
M.S.E.,A.M.I.M.E.,
Storekeeper.

APPENDIX B.

List of Special Contracts entered into during 1911-12.

Serial No.	Names of Articles.	Contractors.	Amount.		
			Rs.	a.	p.
1	Cement	Garlick & Co.	54,375	0	0
2	Positive Water Meters J. Tyler & Sons...	John E. Minnitt & Co.	18,812	8	0
3	Positive Water Meters, Kent's ...	John Fleming & Co.	32,386	7	4
4	Sluice Valves, 3" & 6"	" " "	1,355	0	0
5	Air Valves and Fitting	Ewart Latham & Co.	1,415	0	0
6	Izal Powder and Fluid	Thomson & Taylor	13,720	0	0
7	S. W. Pipes and Fittings	The Universal Agency Co. ...	4,294	10	8
8	Teakwood half round sleepers ...	Hasanalli Adamji & Co. ...	5,750	0	0
9	Pesterine	Asiatic Petroleum & Co. ...	8,000	0	0
10	Teakwood Boxes	Mackinzee Saw Mills & Co. ...	1,337	8	0
11	Boots and woollen putties ...	Hasanalli Adamji & Co. ...	977	10	0
12	Special Casting	Richardson & Cruddas	4,573	3	8
13	S. W. Pipes, 6" & 4"	Hasanalli Adamji & Co. ...	7,625	0	0
14	Meter Fittings	John Fleming & Co.	8,500	15	6
15	S. Ware Pipes, 12"×2½' ...	Universal Agency Co.	3,412	8	0
16	Hydrant Tees	Richardson & Cruddas	4,400	12	0
17	C. I. Pipes, 12" and special castings	Garlick & Co.	6,028	15	3
18	India-Rubber Valve Faces ...	The India-rubber, Guttapercha and Telegraph Works Co. ...	3,500	0	0
19	N. P. Hydrants and Sluice Valves.	Turner Hoare & Co.	10,756	5	0
20	Cement	Ewart Latham & Co.	45,901	0	8
21	Lead, Pig	D. R. Umrigar Sons & Co. ..	2,550	0	0
22	Copper Sheet, perforated ...	Bradbury Brady & Co.	573	12	0
23	Deacon's Meter Parts	Richardson & Cruddas	788	0	0
24	Naves Axle, &c.	John Fleming & Co.	4,632	1	0
25	Double Diaphragm Pump ...	" " "	520	0	0
26	S. W. Fittings and C. I. Pipes ...	The Universal Agency Co. ...	960	7	4
27	Special Castings and Pipes ...	Richardson and Cruddas... ...	4,114	3	10
28	4" & 6" Deacon's Meters... ...	Turner Hoare & Co.	5,288	0	0
29	Pesterine	Asiatic Petroleum & Co. ...	8,000	0	0
30	Cast Steel Valves and Hinge Blocks	John Fleming & Co.	1,600	0	0
31	Bristol Pressure Recorder Gauges	Ewart Latham & Co.	944	12	0

A. G. CHRISTIANSEN,

M.S.E.,A.M.I.M.E.,

Storekeeper.

APPENDIX C.

Special Quotations.

Serial No.	Articles.	Quantity.	
1	Metfil Electric Lamps 230 Volts 25 C. P.	Nos.	48
2	Diagrams for 4" Deacon's Meters	,,	2000
3	Bells English, Gunmetal 12"	,,	2
4	Waste Not Taps ¼"	,,	34
5	Valcon or Pipe Wrench Chain Pattern ½" to 2"	,,	12
6	Metfil Electric Lamps, 230 Volts, 50 C. P.	,,	24
7	Locks, Pad, Brass, 2", 1¾" and 2½"	,,	24
8	Coats, Cashmere	,,	5
9	Lucas Japanned "King of Road" Head Lamp	,,	6
	Independence Japanned Tail Lamp	,,	3
10	1st Class Nonkinkable black rubber hose 1" of 25 ft. length... ...	Lengths	4
11	Safe, Iron with stand	No.	1
12	Diagram Form for Bristols Pressure Recorders	Nos.	5,000
13	Cobra Horn, complete...	No.	1
14	Expanded Metal (3" × 3/16" × 1/8") 7' × 4'	,,	30
15	Spare pinion wheel for 50 B. H. P. Motor	,,	1
	Brown's Hide Preserver	Tins	6
16	Spare Glasses for Klinger's Gauges	Nos.	32
17	Expanded Metal 3/16" × 3/32" × 24 × 6' × 6'	,,	7
18	Burners, Parafin, Barton's Patent	,,	24
19	Ratchet Drill Pillar as per figure 614 of Richardson & Cruddas Catalogue	,,	2
20	Valves, Sluices, 4"	,,	5
21	Lead, Wool	Ton	1
22	Treble extension ladder	No.	1
23	Wire Netting, galvanized	Rg. ft.	453
24	B. T. H. Mazda Electric Incandescent Lamps	Doz.	4
25	India-rubber Tubing to sample	Rg. ft.	120
26	Lawn Mower	No.	1
27	Walworth Patent Screw Cutting Diestock	,,	1
	Vice-Portable	,,	1
28	Parts of Steam Roller...	Sets.	2
29	Expanded Metal, 3" × 3/16" × 1/8"	Rg. ft.	450
30	Hindustan Closet Basin and Trap	Nos.	8
31	Hose, India-rubber valcanized and wired, 3"	Rft.	30
32	Bassa Brooms Ribs	Cwts.	12
33	Garden Hose, India-rubber, Best quantity	Rg. ft.	60
34	Hose, India-rubber, nonkinkable, 1" × 50 feet length	Lengths	2
35	Primus Petroleum Lamps	Nos.	8
36	Screws Brass as per samples	Gross	8
37	Hand Rotary Pump and Foot Valve 1"	Set	1
38	Pipe, Steel for Boiler Tubes 2½"	Lengths	26
39	Wire Galvanized 7 strand 1/4" diameter	Cwts.	5
40	Hose Nonkinkable 1"	Lengths	8
41	Hose, Canvas No. 1 Isle of Man Brand or Admirality Navy No. 1 Brand 24" wide	Bolt	1
42	6" × 6" S. W. T. Junctions	Nos.	36
43	Platform Weighing Machine to weigh up to 500 lbs.	No.	1

A. G. CHRISTIANSEN,
M.S.E., A.M.I.M.E.,
Storekeeper.

APPENDIX D.

Particulars.	General Stores.	Surplus and Obsolete Stores.	Line Suspense Account.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Value of Stores in hand on 1st April 1911	3,46,154 10 7	43,086 12 0	1,18,731 13 1	5,07,973 3 8
Value of Stores receipts including transfers during 1911-12.	6,34,680 12 5	275 1 1	3,356 10 4	6,38,312 7 10
Total Value ... Rs. ...	9,80,835 7 0	43,361 13 1	1,22,088 7 5	11,46,285 11 6
Less—				
Value of Stores issued including transfers during the year 1911-12.	6,82,215 2 1	8,643 5 6	7,137 1 0	6,97,995 8 7
Balance ...	2,98,620 4 11	34,718 7 7	1,14,951 6 5	4,48,290 2 11
Add—				
Discrepancies adjusted as per Clause 29 of the Stores and Stores Manual against rate adjustment Account ...	142 9 4	....	.....	142 9 4
Value of Stores on the 1st April 1912	2,98,762 14 3	34,718 7 7	1,14,951 6 5	4,48,432 12 3

A. G. CHRISTIANSEN,
M.S.E., A.M.I.M.E.,
Storekeeper.

LICENSE DEPARTMENT.

REPORT OF P. P. VAGH, ESQ., SUPERINTENDENT OF LICENSES, FOR THE YEAR 1911-12, SUBMITTED UNDER NO. 5146, DATED 30TH MAY 1912.

1. I have the honour to submit my Administration Report, as regards the working of the License Department, for the year 1911-1912.

2. I was appointed to succeed Mr. L. W. Michael as Superintendent of Licenses on 1st April 1911 and I held office during the year under report.

3. The statement given below showing the number of licenses issued and the revenue made each year since this Department was created in 1890-1891 speaks for itself:—

Year.	No. of licenses issued.	Revenue from license fees.			Remarks.
		Rs.	a.	p.	
1890-1891	3235	36,417	8	0	
1891-1892	4110	46,383	0	0	
1892-1893	4833	54,996	8	0	
1893-1894	5407	60,507	8	0	
1894-1895	5701	63,914	8	0	
1895-1896	5880	65,048	8	0	
1896-1897	5130	56,462	8	0	
1897-1898	5750	63,741	8	0	
1898-1899	5588	60,646	8	0	
1899-1900	5831	63,732	8	0	
1900-1901	5912	63,682	0	0	
1901-1902	6154	67,516	0	0	
1902-1903	6538	72,028	0	0	
1903-1904	6474	73,830	0	0	
1904-1905	6576	75,149	8	0	
1905-1906	6545	76,370	8	0	
1906-1907	6639	81,672	0	0	
1907-1908	6991	83,347	8	0	
1908-1909	7163	84,646	8	0	
1909-1910	7204	85,371	0	0	
1910-1911	7540	87,806	8	0	
1911-1912	8019	1,00,486	0	0	

4. It will be observed that I have been able to present a report far more satisfactory than that of any of the preceding years. In fact, this is a record year for the License Department. I append a statement showing the amount of fees collected under each head of licensable trades. The total revenue collected during the year has increased from Rs. 87,806-8-0 to Rs. 1,00,486, *vide* statements A and B. This gives a total increase of Rs. 12,679-8 for the year which is the largest increase for a year since the Department was first established 21 years ago, the average increase p. a. being Rs. 2,569. Eight thousand one hundred and nineteen licenses were issued during the year under report against 7,540 granted during the preceding year.

5. The Revised Bye-laws in respect of Milch Cattle stables as well as Horse and Bullock stables are still under the consideration of the Corporation.

6. Action is being taken to close or improve insanitary stables. The small stable on DeLisle Road which belonged to Yakub Haji Hussein has been closed.

7. Section 394 of the Municipal Act was amended by Act No. II of 1911, which was published in the *Bombay Government Gazette* on the 7th June 1911. The principal changes effected by the amendment are as follows :—

(1) The following articles or trades have been omitted from Schedule M, and no license can now be demanded for them, under Section 394.

(*a*) Storing, packing, pressing, cleaning, &c. Manure ; Meat ; Silk ; Sulphur ; Spirits and Tow.

(*b*) Storage of Cotton.

(*c*) Manufacture of Blasting powder, Dynamite, Matches for lighting, Fireworks, Gunpowder and Oil by bullock Ghanis or by mechanical power.

(2) The exemption or the free allowance under the old and the amended Acts is as follows :—

No.	Name of articles.	No. of quantity allowed free under the Act of 1888.	No. of quantity allowed free by the amended Act.	REMARKS.
1	Chemicals	*Nil.*	4 gallons.	
2	Cotton refuse	*Nil.*	4 bags not exceeding 4 cwts. in weight.	
3	Cotton seed	*Nil.*	Do.	
4	Gunpowder	*Nil.*	5 lbs.	
5	Matches for lighting	½ gross.	1 gross boxes.	
6	Petroleum as defined in the Indian Petroleum Act of 1899	*Nil.*	40 gallons.	
7	Dangerous Petroleum... ...	*Nil.*	20 Do.	
8	Oil (other sorts)	10 gallons.	15 Do.	
9	Saltpetre	*Nil.*	¼ cwt.	
10	Tar, pitch or dammer	*Nil.*	½ Do.	
11	Turpentine	*Nil.*	1 gallon.	

(3) The following are the trades or articles newly introduced in the amended Section :—

(*a*) Carbide of calcium.

(*b*) Baking.

(*c*) Manufacturing, packing, pressing, cleaning, &c.

I Aerated waters.

II Cowdung cakes.

III Ghee.

8. Though the levy of the license fees for the articles, &c., omitted from the amended Section has been discontinued, no fees have yet been collected for the articles or trades newly included in it, as the fees proposed for them are still under the consideration of the Corporation.

9. The number of prosecutions during the year against persons carrying on trades, subject to licenses, without licenses, and for infringing the conditions of licenses amounted to 3,127. In 681 cases out of these fines were inflicted by the Presidency Magistrates. The total fines amounted to Rs. 9,150-8-0, giving an average of Rs. 13-6-0 per case. The fines imposed during the year have also been the largest since 1890-1891, the next lower figure being Rs. 4,343-4-0 in 1906-1907.

10. The large increase in revenue as well as the increased Court work which brought in an exceptionally large amount in the shape of fines, entailed hard work on the whole staff Indoor and Inspectorial.

I have the honour to be,

Sir,

Your most obedient servant,

P. P. VAGH,

Superintendent of Licenses.

A

Yearly total of License Fees recovered during 1911-1912.

No. of Licenses issued.	Nature of Trade.	License fees.	
		Rs.	a.
3	Bones	60	0
8	Bricks (manufacturing) (hand-made)	80	0
4	Candles do.	100	0
2	Catgut	30	0
493	Charcoal	3,956	0
400	Chemical preparations	4,735	0
64	China grass	81	0
178	Coal and coke	2,515	0
37	Cocoanut fibre, Flax, Hemp, Jute and Tow	680	0
41	Cotton (storing, pressing, etc.)	1,350	0
227	Cotton refuse, seed or waste	5,025	0
204	Cloths in Indigo and other colours Dyeing (hand power)	1,980	0
9	Do. do. do. (mechanical power) ...	410	0
53	Dammer, Tar or Pitch	909	0
1	Dynamite	50	0
37	Fat and Tallow	555	0
5	Fins (dried)	7	0
20	Fish, do.	440	0
133	Fireworks (retail)	665	0
12	Do. (wholesale)	550	0
242	Firewood (retail)	484	0
893	Do. (wholesale)	10,475	0
8	Gas (manufacturing)	400	0
59	Gunpowder (retail)	295	0
2	Do. (wholesale)	100	0
4	Hair	60	0
198	Hay, Straw and Grass	4,350	0
14	Hides and Skins (dried)	210	0
3,351	Carried over ...	40,620	0

Yearly total of License Fees recovered during 1911-1912—*continued.*

No. of Licenses issued.	Nature of Trade.	License fees.	
		Rs.	a.
3,351	Brought forward ...	40,620	0
43	Hides and Skins (raw)	5,075	0
25	Horns and Hoofs	560	0
984	Kerosine oil (retail)	4,920	0
61	Do. (wholesale)	2,770	0
28	Lime for burning (lime kiln)	1,400	0
610	Matches (retail)	874	0
32	Do. (wholesale)	1,691	0
4	Do. (Bengal lights)	133	0
196	Metals (casting)	2,785	0
39	Oil (ghanis) mills	260	0
5	Oil (mills) prepared by Mechanical power	205	0
429	Do. (storing)	7,490	0
1	Paper (manufacturing)	15	0
82	Permits under Section 390	2,050	0
239	Do. do. (renewal)	239	0
1	Petroleum (non-dangerous) retail (under Petroleum Act)	5	0
43	Do. (dangerous) do.	129	0
21	Pottery (manufacturing)	105	0
4	Rags	60	0
4	Rangoon or Burmah Oil	35	0
4	Rosin	20	0
20	Saltpetre	100	0
12	Silk (dyeing)	60	0
22	Soap (manufacturing)	330	0
31	Sugar Refineries	760	0
30	Sulphur (retail)	150	0
11	Do. (wholesale)	165	0
6,332	Carried over ...	73,006	0

Yearly total of License Fees recovered during 1911-1912.—*concluded.*

No. of Licenses issued.	Nature of Trade.	License fees.	
		Rs.	a.
6,332	Brought forward ...	73,006	0
69	Stables for Horses	2,995	0
77	Do. Milch Cattle	7,485	0
60	Do. Bullocks	1,155	0
1,289	Timber	12,378	0
111	Turpentine (retail)	555	0
32	Do. (wholesale)	480	0
18	Waste paper	18	0
34	Whistles (steam)	340	0
66	Wool	1,725	0
8,088	Total Rs. ...	1,00,137	0

B

Statement showing the amount of License fees for 1910-1911 recovered in 1911-1912.

No. of Licenses issued.	Nature of Trade.	License fees.	
		Rs.	a.
6	Charcoal...	27	0
1	Chemical preparations	5	0
1	Coal and coke	25	0
1	Cotton seed	20	0
1	Firewood (retail)	2	0
4	Do. (wholesale)	30	0
6	Kerosine oil (retail)	30	0
1	Matches (retail)	1	0
1	Metal (casting)	5	0
2	Oil (storing)	60	0
1	Permit under Section 390 (renewal)	1	0
1	Stable for milch cattle	75	0
1	Do. bullocks	15	0
4	Timber	53	0
31	Total... ...	349	0

Summary of Income for 1911-1912.

No. of Licenses Issued.	Official year during which collection was made.	License fe es.	Remarks.
		Rs. a.	
31	Income for 1910-11, collected during the Official year 1911-12	349 0	*Vide* statement **B.**
8,088	Income for 1911-12, collected from 1st April 1911 to 31st March 1912	1,00,137 0	*Vide* statement **A.**
8,119	Total	1,00,486 0	

P. P. VAGH,
Superintendent of Licenses.

MARKETS.

REPORT OF THE SUPERINTENDENT OF MARKETS AND SLAUGHTER HOUSES RECEIVED UNDER HIS NO. 845 DATED 28TH MAY 1912.

SIR,

I have the honour to submit the Annual Report of the Market and Slaughter Houses for the year 1911-12.

2. I was appointed Superintendent of Markets on 1st April 1911, and on June 3rd, I proceeded on 3 months' leave to England. During my stay there, I visited several Markets and meat shops in London, also in Manchester, Liverpool and Plymouth.

3. I am glad to be able to report an increase of Rs. 57,229-7-4 in the revenue. The total receipts under all heads amounted to Rs. 5,45,836-5-9 against Rs. 4,88,606-14-5 in the previous year.

4. During the year under report I introduced the system of the continual sweeping of the floors of our Markets, thus keeping them as clean as possible. I have also introduced the system of the licensing of coolies by giving them numbered badges as provided in the Market By-Laws. Beggars and itinerant vendors have been excluded from the Market. The Market Garden which was in a neglected state has been renovated. There has been a continuous inspection of meat, fruit, fish and vegetables so as to prevent the sale of articles unfit for human consumption.

5. The following table gives the comparative figures of the various articles destroyed during the currency of the year as against the previous year :—

	1911-12.	1910-11.
Meat	49,282½ lbs.	1,13,155 lbs.
Fish	71,549 ,,	86,640 ,,
Fruit	5,382 ,,	3,384 ,,
Vegetable	8,228 ,,	2,098 ,,
	1,34,441	2,05,277

6. Steps have been taken to stop the import of meat from Kurla. So far our efforts have been successful as will be seen from the figures given below. The amendment of the Municipal Act in this respect offered extra facilities in the seizure of Kurla meat.

	1910-11.	1911-12.
Amount of Kurla meat seized	94,557	28,696 lbs.

7. The total quantity of unwholesome food destroyed during the year amounted to 1,34,441½ lbs. as against 2,06,277 lbs. in the previous year. This is due to the stoppage of Kurla meat coming into Bombay as explained in para 6.

A

Comparative Statement showing the average number of stalls vacant in each Market.

Names of the Markets.	Total number of stalls.	Average number of stalls vacant in each quarter in 1911-12.	Average number of stalls vacant in each quarter in 1910-11.	Remarks.
Colaba Market	70	53	46	
Fort Market	266	83	100	Rent collected half-yearly.
A. C. Fruit and Vegetable Market ...	570	44	45	
„ Fish and Mutton Market	119	47	47	
„ Mutton (New) Market	68	23	21	
„ Beef Market	78	1	.....	
Godowns	25	1	.....	
Fowl Rooms	26	1	5	
Bird Shops	18	5	2	
Erskine Road Fruit and Vegetable (Old) Market	451	55	55	
Erskine Road Fruit and Vegetable (New) Market	118	59	63	
Erskine Road Mutton Market	114	35	35	
Bhuleshwar Market...	176	14	9	
Pedder Market	40	7	7	
Foras Road Market *	.....	.....	9	
Pork Market	2	.....	.....	Rent collected yearly.
DeLisle Road Sheep Market	50	.....	.....	Rent collected half-yearly.
Ferguson Road Market	31	.....	.....	
Elphinstone Road Market	45	14	9	
Parbhadevi Road Market	25	1	3	
Total ...	2,292	443	456	

* One anna per day charged to each person pending the completion of the Kamatipura Market.

B

The amount of stall rents in detail, during the year under report, contrasted with those in the previous four years, is as under :—

Names of the Markets.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	Difference as compared with 1910-11.		Remarks.
						Increase.	Decrease.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Colaba Market	577 4 0	810 1 0	488 14 0	557 10 0	412 1 0	.....	145 9 0	In Foras Road Market anna one daily per day was charged to each person pending completion of the Kamatipura Market.
Fort Market	7,003 2 0	6,471 10 0	6,088 14 0	733 8 0	6,900 4 0	1,166 12 0	.....	
A. C. Fruit and Vegetable Market	57,590 7 8	58,135 15 6	57,986 8 9	63,103 2 0	64,809 9 0	1,706 7 0	.....	
Do. Fish and Mutton Market...	7,683 11 8	7,442 2 0	7,627 1 0	8,297 10 0	8,347 13 0	50 3 0	.....	
Do. Mutton (New) Market	2,397 15 0	2,434 3 0	2,543 9 0	2,658 4 0	2,569 9 6	.....	88 10 6	
Do. Beef Market...	10,768 0 0	10,727 12 0	10,875 6 0	10,800 0 0	10,752 0 0	.....	48 0 0	
Godowns	6,432 0 0	6,432 0 0	5,434 2 0	5,326 0 0	5,197 14 0	.....	128 2 0	
Fowl Rooms	3,444 0 0	3,560 9 0	3,660 0 0	2,848 0 0	2,694 11 0	.....	153 5 0	
Bird Shops	.....	.....	.....	1,057 0 0	1,805 7 0	748 7 0	.....	
Erskine Road Fruit and Vegetable (Old) Market	24,803 8 5	24,919 0 0	24,328 9 6	25,464 0 9	27,665 6 6	2,201 5 9	.....	
Do. do. (New) Market	5,589 8 0	5,194 8 0	4,676 2 0	4,805 12 0	4,566 15 0	.....	238 13 0	
Do. Mutton Market	7,777 13 0	7,595 0 0	7,442 5 0	7,696 6 0	7,789 5 0	92 15 0	.....	
Bhuleshwar Market	12,504 15 5	12,370 8 0	12,715 3 3	12,705 12 0	14,788 5 0	2,082 9 0	.....	
Pedder Market	1,335 8 8	1,395 13 0	1,452 2 0	1,446 0 0	1,362 0 0	.....	84 0 0	
Foras Road Market	534 3 0	999 0 0	1,026 3 9	944 14 0	.....	.....	944 14 0	
Pork Market	100 0 0	100 0 0	100 0 0	100 0 0	100 0 0	.....	.....	
DeLisle Road Sheep Market	7,186 0 0	7,247 10 0	7,346 0 0	7,346 0 0	7,412 8 0	66 8 0	.....	
Fergusson Road Market...	1,267 12 0	1,276 0 0	1,279 3 0	1,291 5 0	1,612 10 0	321 5 0	.....	
Parbhadevi Road Market	.....	958 5 0	499 0 0	568 6 0	683 6 0	115 0 0	.....	
Elphinstone Road Market	.....	1,553 0 0	1,485 4 9	1,499 14 0	1,317 11 3	.....	182 2 9	
Total ...	1,56,995 12 10	1,59,623 0 6	1,57,054 8 0	1,64,249 7 9	1,70,787 7 3	8,551 7 9	2,013 8 3	
Increase over preceding year's rent	66 3 3	2,627 3 8	.....	7,194 15 9	6,537 15 6	.....	.....	
Decrease below do. do.	.....	.....	2,568 8 6	.....	.....	.....	.....	

C

The squatters' fees from Municipal Fish Markets, scale fees in the Crawford Market compound, and the Fair ground rent, and the feeding fees at the Bandora Slaughter Houses, recovered from the contractors during the year under report, amounted to Rs. 1,30,050 against Rs. 1,16,608-4-0 in the previous year, showing an increase of Rs. 13,441-12-0. These rights, as is annually done, were put up to auction, except in the case of the Foras Road Market, the fees of which were collected departmentally, as the same was to be closed. The sale was approved of by the Standing Committee. In the following statement are contrasted in detail the fees recovered from the different contractors during the year under report with those in the previous four years :—

Particulars.	1907-08.	1908-09.	1909-10.	1910-11.	1911-12.	Difference as compared with 1910-11.	
						Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs. a.	Rs. a.	Rs. a.	Rs.
Fort Market	1,950	1,950	1,925	1,925 0	1,950 0	25 0	...
A. C. Beef and Fish Markets	9,500	9,000	9,000	9,100 0	9,500 0	400 0	...
Erskine Road Fish Market.	18,700	19,100	20,500	23,550 0	24,400 0	850 0	...
Pedder Market	1,675	1,600	1,500	1,500 0	1,825 0	325 0	...
Foras Road Market ...	Fees	collected	depart	mentally.			
Colaba Market	1,175	1,000	1,100	1,100 0	1,150 0	50 0	...
Fergusson Road Market...	1,650	1,550	1,200	1,600 0	1,650 0	50 0	...
Parbhadevi Road Market.	...	750	750	750 0	800 0	50 0	...
Elphinstone Road Market.	...	625	720	850 0	775 0	.....	75
Total Squatters' Fees ...	34,650	35,575	36,695	40,375 0	42,050 0	1,750 0	75
Scale fees at the A. C. Market compound ...	6,400	6,100	3,200	5,233 4	7,800 0	2,566 12	...
Fair ground rent and feeding fees	88,000	76,000	71,000	71,000 0	80,200 0	9,200 0	...
Grand Total	1,29,050	1,17,675	1,10,895	1,16,608 4	1,30,050 0	3,516 12	75
Increase over preceding year's amount	11,750	...	...	5,713 4	13,441 12	.....	...
Decrease below preceding year's amount	...	11,375	6,780	.....	.....	.....	...

D

The squatters' fees collected departmentally in the several Municipal Markets during the year under report amounted to Rs. 6,683-12-0 against Rs. 9,403-0-6 in the previous year, showing a decrease of Rs. 2,719-4-6. This decrease is principally due to the fact that the squatters in the Fort Market who paid daily fees were induced to take stalls inside the Markets, and that those under the eaves of the Bhuleshwar and the Erskine Road Markets were made to take up their sittings on quarterly rentals. This gives a corresponding increase in stall rents in these Markets. In the following statement are contrasted the fees recovered during the year under report with those in the previous year :—

Names of the Markets.	1911-12.	1910-11.	Difference.		Remarks.
			Increase.	Decrease.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Colaba Market	3 0 0	17 0 0	.....	14 0 0	In Foras Road Market anna one per day was charged to each person pending the completion of the Kamatipura Market.
Fort Market	160 7 6	1,241 13 6	.....	1,081 6 0	
A. C. Fruit and Vegetable Market ...	139 0 0	138 6 0	0 10 0	.....	
Erskine Road Old Fruit and Vegetable Market	450 4 0	2,362 8 6	.....	1,912 4 6	
Bhuleshwar Market	1,416 2 6	2,582 1 0	.....	1,165 14 6	
Pedder Market	.....	0 7 0	.....	0 7 0	
Foras Road Market	1,574 11 6	914 5 0	660 6 6	.....	
Fergusson Road Market	1,801 1 6	1,281 7 6	519 10 0	.....	
Parbhadevi Road Market	950 3 0	674 8 6	275 10 6	.....	
Elphinstone Road Market	188 14 0	190 7 6	.....	1 9 6	
Total ...	6,683 12 0	9,403 0 6	1,456 5 0	4,175 9 6	

E

For ready reference, the total receipts from each Market (that is, stall rents, squatters' fees collected departmentally, and those from the contractors and scale fees added together) during the year under report, have been shown in the following statement :—

Name of the Market.	Stall rents.	Squatters' fees collected departmentally.	Squatters' fees, &c., collected from the contractors.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Colaba Market	412 1 0	3 0 0	1,150 0 0	1,565 1 0
Fort Market	6,900 4 0	160 7 6	1,950 0 0	9,010 11 6
A. C. Fruit and Vegetable Market ...	64,809 9 0	139 0 0	.....	64,948 9 0
„ Fish and Mutton „ ...	8,347 13 0	.....	9,500 0 0	17,847 13 0
„ Mutton (New) Market ...	2,569 9 6	.....	.....	2,569 9 6
„ Beef Market	10,752 0 0	.....	.....	10,752 0 0
„ Market Scale fees	.....	.....	7,800 0 0	7,800 0 0
Godowns	5,197 14 0	.....	.....	5,197 14 0
Fowl Rooms	2,694 11 0	.....	.....	2,694 11 0
Bird Shops	1,805 7 0	.....	.....	1,805 7 0
A. C. Markets, Total ...	96,176 15 6	139 0 0	17,300 0 0	1,13,615 15 6
Erskine Road Fruit and Vegetable (Old) Market	27,665 6 6	450 4 0	.....	28,115 10 6
Erskine Road Fruit and Vegetable (New) Market	4,566 15 0	.....	.....	4,566 15 0
Erskine Road Mutton Market ...	7,789 5 0	.....	.....	7,789 5 0
„ Fish Market	.....	....	24,400 0 0	24,400 0 0
Erskine Road Markets, Total...	40,021 10 6	450 4 0	24,400 0 0	64,871 14 6
Bhuleshwar Market	14,788 5 0	1,416 2 6	.....	16,204 7 6
Pedder Market	1,362 0 0	.....	1,825 0 0	3,187 0 0
Foras Road Market	.....	1,574 11 6	.....	1,574 11 6
Pork Market	100 0 0	.....	.....	100 0 0
DeLisle Road Sheep Market... ...	7,412 8 0	.....	.....	7,412 8 0
Fergusson Road Market	1,612 10 0	1,801 1 6	1,650 0 0	5,063 11 6
Parbhadevi Road Market	683 6 0	950 3 0	800 0 0	24,33 9 0
Elphinstone Road Market	1,317 11 3	188 14 0	775 0 0	2,281 9 3
Grand Total ...	1,70,787 7 3	6,683 12 0	49,850 0 0	2,27,321 3 3
Grand Total for 1910-11 ...	1,64,249 7 9	9,403 0 6	45,608 4 0	2,19,260 12 3

F

The revenue from other sources, comprising the following heads, was Rs. 2,703-7-6 during the year under report, against Rs. 1,756-13-0 in the previous year, showing an increase of Rs. 946-10-6 as detailed against each head in the following statement :—

Particulars.	1911-12.	1910-11.	Difference.		Remarks.
			Increase.	Decrease.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Verifying weights and measures..	1,628 14 6	1,476 13 0	152 1 6	.....	
Garden produce	8 1 0	1 11 0	6 6 0	.....	
Prices Current	110 13 0	100 11 0	10 2 0	.....	
Sale-proceeds of meat or animals seized under Section 412 ...	68 10 0	91 12 0	.....	23 2 0	
Sale-proceeds of 9 meat van cast bullocks	276 3 0	.....	276 3 0	.....	
Sale-proceeds of manure ...	54 0 0	53 4 0	0 12 0	.....	Net Increase Rs. 946-10-6.
For tapping date trees at Bandra Slaughter Houses	7 8 0	.....	7 8 0	.....	
Fees for producing office records, Inspection fees, &c.	1 0 0	15 0 0	.....	14 0 0	
Sale of Copies of Market By-laws	0 10 0	1 6 0	.....	0 12 0	
Recovery for use of Gas light ...	.....	15 0 0	.....	15 0 0	
Fees for producing a duplicate of a receipt for weights and measures	.....	1 4 0	.....	1 4 0	
For the right of removing dead animals from the Slaughter Houses compound	180 0 0	.....	180 0 0	.....	
Miscellaneous	367 12 0	.....	367 12 0	.....	
Total ...	2,703 7 6	1,756 13 0	1,000 12 6	54 2 0	

G

Slaughter fees, Butchers' License fees, &c.

The total collections under these heads amounted to Rs. 2,35,611-11-0 during the year under report, against Rs. 1,96,589-5-2 in the previous year, showing an increase of Rs. 39,022-5-10 as contrasted in the following statement :—

Particulars.	1911-12.	1910-11.	Difference.		Remarks.
			Increase.	Decrease.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Slaughter fees	2,11,899 7 0	1,76,425 1 0	35,474 6 0	.....	
License fees	17,452 0 0	15,072 4 2	2,379 11 10	.....	
Ground rent	221 0 0	132 0 0	89 0 0	.....	
Chawl rent	2,879 4 0	2,695 0 0	184 4 0	.....	
Total ...	2,32,451 11 0	1,94,324 5 2	38,127 5 10	.....	
Proceeds of blood from the contractor	3,160 0 0	2,265 0 0	895 0 0	.....	
Grand Total ...	2,35,611 11 0	1,96,589 5 2	39,022 5 10	.....	

8. The increase in slaughter fees is due to the fact that on account of Famine, a large number of animals were brought to Bandora for disposal. Out of the total number of Cows, &c., slaughtered, 40 carcasses were found cystic and diseased, against 21 carcasses in the previous year, and had to be condemned. The proceeds of blood also show an increase.

Description of animals	Number slaughtered in 1911–12.	Number slaughtered in 1910–11.	Increase.	Decrease.
Buffaloes	7,908	5,130	2,778	.....
Cows, Bullocks and Calves	41,250	40,544	706	.....
Sheep and Goats	693,688	660,545	33,143	.....
Pigs slaughtered at Sonapur Pork Slaughter Houses.	481	465	16	.....

9. During the year under report 7,981 Buffaloes, 44,648 Horned Cattle, and 770,479 Sheep and Goats were brought to the Bandora fair ground for examination and disposal, out of which number, 24 Buffaloes, 1,656 Horned Cattle and 18,664 Sheep and Goats were found unfit for slaughter on inspection, and were consequently rejected, *vide* the following comparative statement. The remainder were either slaughtered for the Markets or were otherwise disposed of, the details of which are shown in Appendix **A** :—

Year.	Animals brought to the fair ground.			Animals rejected.		
	Buffaloes.	Horned Cattle.	Sheep and Goats.	Buffaloes.	Horned Cattle.	Sheep and Goats.
1911–12 ...	7,981	44,648	770,479	24	1,656	18,664
1910–11 ...	5,141	42,251	712,914	3	1,794	16,323

10. The fines inflicted by the Presidency Magistrates for the infringements of the provisions of the Municipal Act and the By-laws pertaining to the Markets and Slaughter Houses, amounted to Rs. 1,995-14-0 during the year under report, against Rs. 2,019 in the previous year, as detailed below :—

Year.	Section 03 (1) (*b*).	Section 410 (1).	Section 411 (*a*) & (*b*).	Section 412 (1)	By-laws Chapter II, Clause 3.	Total.	No. of Convictions.
1911-12 ...	34 4 0	1 0 0	32 0 0	1,928 1	...	1,995 14	108
1910-11 ..	...	...	...	2,019 0	...	2,019 0	40

11. Notwithstanding famine in all parts of Gujerat during the year, the meat supply on the whole was fairly good. The Fruit and Vegetable supply was also satisfactory.

12. The permanent appointment of Mr. Rodrigues, as Assistant Superintendent at Bandora Slaughter Houses, was made during the currency of the year. His selection has proved quite successful. He has given me entire satisfaction in the discharge of his duties.

13. The arduous duty of the detection and seizure of Kurla meat by night as well as by day was most satisfactorily performed by my Assistant Mr. Razak. His staff also performed their duty to my entire satisfaction. The extensive experience of my Head Clerk Mr. Borjorji, who has worked well, proved of great use to me. The Meat Inspector, the General Inspector and the whole of my staff have worked satisfactorily during the year.

I have the honour to be,

Sir,

Your most obedient servant,

L. W. MICHAEL,

Superintendent of Markets.

APPENDIX A.

STATEMENT showing the number of Animals slaughtered, and removed for private slaughter, etc., during the year 1911-1912.

Description of Animals.	Months.												Total number of Animals slaughtered.	Total amount of slaughter Fee.	REMARKS.
	April 1911.	May 1911.	June 1911	July 1911.	August 1911.	Sept. 1911.	Oct. 1911.	Nov. 1911	Dec. 1911	Jan. 1912.	Feb. 1912.	March 1912.			
														Rs. a. p.	
Buffaloes	481	599	707	770	769	705	669	592	728	614	637	636	7,908	79,080 0 0	
Cows	2,444	2,247	2,145	2,089	2,157	2,090	2,380	2,897	3,164	3,368	2,744	2,977	30,702	23,026 8 0	
Bullocks	762	699	734	773	674	734	902	938	1,157	1,145	934	986	10,438	7,828 8 0	
Calves	12	16	8	8	4	10	3	11	15	3	7	13	110	82 8 0	
Sheep, Goats, &c., for Bombay	53,685	50,421	50,907	50,374	51,265	55,221	55,119	52,165	60,505	57,932	51,031	58,322	646,947	80,868 6 0	
Do. do. Mahim	2,248	2,231	1,957	2,022	1,686	2,014	2,036	1,772	2,493	2,086	1,854	2,074	24,473	1,529 9 0	
Do. do. Bandora	1,843	1,950	1,831	1,836	1,882	2,030	1,859	1,771	1,868	1,994	1,659	1,751	22,268	1,391 12 0	
Pigs slaughtered at Sonapore ...	49	41	35	39	36	35	37	38	48	44	41	38	481	481 0 0	
	12	**9**	**23**	**19**	**8**	**23**	**13**	**7**	**30**	**11**	**25**	...	**180**	**360 0 0**	
	5	**2**	**4**	**7**	**1**	**6**	**19**	**16**	**23**	**13**	**14**	**9**	**119**	**29 12 0**	Sucking pigs.
Live Horned Cattle brought to Bombay...	3	13	.....	3	6	28	57	20	23	52	58	105	367	1,835 0 0	
Live Sheep, Goats, &c., brought to Bombay	568	489	344	325	156	188	663	737	1,070	436	494	378	5,848	2,924 0 0	
	5	**5**	**10**	**17**	**10**	**12**	**18**	**5**	**15**	**4**	**14**	**18**	**134**	**67 0 0**	
Live Sheep, Goats, &c., removed by De-Lisle Road, Sheep Market Fadkarees ...	1,632	1,446	1,560	3,112	1,868	1,063	1,723	4,210	1,994	1,732	2,877	1,574	24,791	12,395 8 0	
												Total ...	774,766	2,11,899 7 0	

The figures in Block Type show the number of animals slaughtered in Bombay by private individuals within the meaning of Section 403 (2) (e) of the Act.

EDUCATIONAL.

REPORT OF THE SCHOOLS COMMITTEE FORWARDED BY THE COMMITTEE'S SECRETARY UNDER HIS No. 654 OF 13TH MAY 1912.

THE SCHOOLS COMMITTEE'S OFFICE,
BOMBAY, *30th April* 1912.

REPORT ON THE ADMINISTRATION OF THE SCHOOLS COMMITTEE FOR THE YEAR 1911-1912.

Constitution of the Committee.

At the opening of the year the following gentlemen were on the Committee:—

The Hon. Mr. C. H. Setalvad, B.A., LL.B.
The Hon. Sir Ibrahim Rahimtoola, Kt., C.I.E.
D. E. Wacha, Esq.
James MacDonald, Esq.
Rao Bahadur Dhakji Cassinathji.
Kazi Kabiruddin, Esq., Bar-at-Law.
N. V. Mandlik, Esq., B.A., LL.B.
Dr. Jehangir J. Cursetji, M.D.

As required by Section 8 (2) of the Bombay Police Charges Act of 1907, Rao Bahadur Dhakji Cassinathji and Mr. James MacDonald retired, but were re-appointed by the Corporation.

On the motion of Mr. D. E. Wacha, seconded by the Hon. Sir Ibrahim Rahimtoola, the Hon. Mr. C. H. Setalvad was re-elected Chairman for the year.

Finance.

The opening balance of the School Fund was Rs. 46,169. The total receipts from all sources amounted to Rs. 3,65,197, being Rs. 4,048 in excess of the total for the last year. The excess in receipts over the previous year is due to increase in fee receipts on account of the opening of new schools and to interest realized on the investment of surplus cash balance. The total expenditure was Rs. 3,38,263 as against Rs. 3,30,890 for the preceding year, being Rs. 7,373 in excess of the total for the last year. The excess is chiefly due to the opening of new schools, increase in rent and grant-in-aid. The year closed with a balance of Rs. 73,102.

The total cost per pupil was Rs. 18·7 as against Rs. 22·2 for the previous year, and it was distributed as under :—

Teaching	Rs.	12
Rent	„	4·8
Miscellaneous	„	1·9
	Total Rs.	18·7

Municipal Schools.

The following table gives a summary of the total number of Municipal Schools of all descriptions, with the aggregate attendance thereat for the past two years :—

Class of Schools.	Municipal.			
	1910-1911.		1911-1912.	
	Schools.	Pupils.	Schools.	Pupils.
Marathi.				
Day Schools—				
Middle Schools	3	192	3	205
Primary for boys	43	4,999	46	6,142
Do. for girls	14	1,064	16	1,640
Total of Marathi Schools ...	60	6,255	65	7,987
Gujarati.				
Day Schools—				
Middle Schools	1	54	1	72
Primary for boys	22	2,102	25	2,527
Do. for girls	9	1,106	11	1,450
Total of Gujarati Schools ...	32	3,262	37	4,049
Urdu.				
Day Schools—				
Middle Schools	...	...	...	...
Primary for boys	29	3,304	34	3,361
Do. for girls	3	316	3	388
Total ...	32	3,620	37	3,749
Night Schools	3	118	3	76
Total of Urdu Schools ...	35	3,738	40	3,825
Grand Total of Marathi, Gujarati and Urdu Schools ...	127	13,255	142	15,861

Fifteen new schools were started this year. Five of these schools were Marathi, five Gujarati and five Urdu. Most of these schools are well attended.

The total attendance rose from 13,255 to 15,861.

Training of Teachers.

The Committee have been able to send more students this year to several training colleges and to secure services of some trained teachers. The subjoined table gives the total number of trained and untrained teachers in Municipal schools for the past two years.

	Number of Teachers.								
	Trained.			Untrained.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
			For the Year 1910-1911.						
Marathi	102	23	125	101	22	123	203	45	248
Gujarati	26	14	40	67	34	101	93	48	141
Urdu	14	1	15	106	22	128	120	23	143
Total ...	142	38	180	274	78	352	416	116	532
			For the Year 1911-1912.						
Marathi	117	26	143	96	36	132	213	52	265
Gujarati	28	18	46	72	32	104	100	50	150
Urdu	15	...	15	112	24	136	127	24	151
Total ...	160	44	204	280	82	362	440	126	566

Scholarships.

Two out of four middle school scholarships were won this year by the pupils of the Kamathipura Nirashrit School.

School Buildings.

It is gratifying to note that this year three buildings were completed and given over to the Schools Committee. The following schools were accommodated in these buildings :—

Buildings.	Schools Accommodated.
Memonwada Road	Memonwada Marathi (a newly opened school).
Kumbharwada	Nal Bazar Guzerati Boys and Girls' Schools.
Morland Road	Madanpura Urdu Boys and Girls' Schools.

During the year under report thirteen schools were provided with additional accommodation. The undermentioned schools were removed to better quarters :—

1. DeLisle Road Urdu School.
2. Nakhoda Moholla Urdu School.
3. Lower Mahim Marathi School.
4. Durgadevi Marathi School.
5. Parel Bhoiwada Marathi School.
6. Parel Bhoiwada Gujarati School.
7. Kalachowki Marathi School.
8. Dadar Urdu School.
9. Matunga Marathi School.
10. Naigaum Gujarati School.
11. Varli Boys' School.
12. Dadar Gujarati Boys' School.
13. Mandvi Gujarati Boys' School.

Aided Schools.

The following table shows the number of Aided Schools with the attendance thereat, as contrasted with the figures for the preceding year :—

Class of Schools.	Aided.			
	1910-1911.		1911-1912.	
	Schools.	Pupils.	Schools.	Pupils.
Marathi.				
Day Schools—				
Primary for boys	35	3,813	38	4,240
Do for girls	16	1,591	16	1,701
	51	5,404	54	5,941
Night Schools	18	225	18	354
Total of Marathi Schools ...	69	5,629	72	6,295
Gujarati.				
Day Schools—				
Primary for boys	25	3,354	31	3,774
Do. for girls	15	2,262	15	2,320
Night School	...	...	1	112
Total of Gujarati Schools ...	40	5,616	47	6,206
Urdu.				
Day Schools—				
Primary for boys	2	361	5	871
Do. for girls	1	55	2	249
Total of Urdu Schools ...	3	416	7	1,120
Grand Total of Marathi, Gujarati and Urdu Schools ...	112	11,661	126	13,621

Fourteen new schools including four Urdu schools were registered under the Grant-in-Aid Code. The grants of ten schools were re-assessed. Also this year a special school for deaf and the dumb conducted by Mr. Hari A. Date was allowed a grant of Rs. 500.

The total grant paid to these schools this year was Rs. 40,674 as against Rs. 36,053 paid the preceding year. The excess was mainly due to new schools being taken on aided list and also to the re-assessment of grant allowed to several schools.

Death of Teachers.

The Committee very much regret to record the death of about nineteen teachers during the year under report. Of these about ten fell victims to consumption. An inquiry is being instituted by the Committee as to causes of growing mortality among teachers from consumption.

Donations.

Mr. Ali Mahomed Munshi presented the Committee with Rs. 60 for distribution in shape of scholarships to pupils of Madanpura Girls' Urdu School.

Mr. Hiralal Ranchhoddas made a present of books for distribution among the Lad Banya pupils in Municipal Schools.

Several gentlemen made presents of books, sweets and fruits to the children of several schools on the occasion of Their Imperial Majesties' Coronation.

Royal Visit.

The great event of the year was the visit of Their Gracious Majesties to Bombay in the month of December 1911.

A number of pupils from the Municipal Schools were selected by the Royal Visit Fund Committee for the singing of the National Anthem. The children were taken to the stands on 2nd December to view the Royal procession and to the Old Bombay Exhibition on the 4th December when souvenir cups, flags and sweets were distributed amongst them. A copy of Their Majesties' likeness was supplied to each school and Coronation medals were awarded to all children. All the days from 2nd to 12th December 1911 were observed as special holidays by the Municipal Schools.

Also the day of Their Imperial Majesties departure from Bombay was observed as a holiday.

Race of Pupils.

The number of pupils in the Municipal and Aided Schools, according to race, was as under:—

Race.	1910-1911.			1911-1912.		
	Municipal.	Aided.	Total.	Municipal.	Aided.	Total.
Europeans and Eurasians	...	3	3	...	...	...
Portuguese and Native Christians	66	302	368	75	317	392
Hindus	8,825	6,481	15,306	11,182	7,600	18,782
Mahomedans	4,027	1,226	5,253	4,229	2,047	6,276
Buddhists	...	...	...	...	...	...
Parsis	257	3,142	3,399	297	3,179	3,476
Others	80	507	587	78	478	556
Total ...	13,255	11,661	24,916	15,861	13,621	29,482

A. R. BHAIJI,

Acting Secretary, Schools Committee.

Appendix A.

Statement of Actual Income and Expenditure of the "School Fund" for the year 1911-1912.

Receipts.	Amount.	Expenditure.	Amount.
	Rs. a. p.	A.—Schools.	Rs. a. p.
1. Balance on the 1st of April 1911	46,169 7 0	1. Head Masters and Teachers	1,78,592 4 3
		2. Servants	5,656 9 2
		3. Rent	76,560 2 6
2. Fees from Municipal Schools	26,571 0 0	4. Cost of Class Books	841 9 2
		5. School Furniture	9,788 13 0
		6. Prizes	3,495 14 0
3. Contribution from the General Municipal Fund..	3,37,257 0 0	7. Contingencies and Miscellaneous	11,144 9 0
		8. Scholarships in Schools	421 13 5
		9. Stipends of Students under Training as Vernacular Teachers	2,228 4 9
4. Government Grants-in-Aid towards Buildings ...	.....	10. Superintendent's Establishment	6,221 4 1
		11. Grants-in-Aid to Primary Schools	40,674 0 0
5. Interest on Endowments or Investments ...	1,184 7 5	12. Library and Museum	1,210 2 4
6. Miscellaneous	184 10 0	B.—Buildings.	
		1. Municipal Original Works	.....
		2. Repairs to Municipal School Houses	1,428 3 1
		Balance on 31st March 1912	73,102 15 8
Total Rs. ...	4,11,366 8 5	Total Rs. ...	4,11,366 8 5

The Schools Committee's Office,
Bombay, 30*th April* 1912.

A. R. BHAIJI,
Ag. Secretary, Schools Committee.

Appendix B.

Balance Sheet of the "School Fund" for the year 1911-1912.

Liabilities.	Rs. a. p.	Assets.	Rs. a. p.
To Deposit Account	585 10 7	By Bank of Bombay Government, &c., Paper Deposit Account	4,000 0 0
„ Hurkisondas Brijlal Prize Fund—			
Principal ... ... Rs. 500 0 0		„ Bank of Bombay, Surplus Cash, Government, &c., Paper Deposit Account	48,218 12 0
Interest ... ... „ 25 14 5			
	525 14 5	„ Advance Account—	
„ Dr. Blaney Prize Fund—			
Principal ... ... Rs. 1,000 0 0		To the Secretary ... ... Rs. 15 0 0	
Interest ... ... „ 59 6 3			
	1,059 6 3	„ Superintendent ... „ 50 0 0	65 0 0
„ Madhavdas Rugnathdas Prize Fund—			
Principal ... ... Rs. 500 0 0			
Interest ... ... „ 25 8 0			
	525 8 0	„ Advance Miscellaneous	30 0 0
Jivkore Lallubhai Scholarship, &c., Fund—			
Principal ... ... Rs. 1,000 0 0		„ Actual Cash Balance—	
Interest ... ... „ 91 10 0			
	1,091 10 0	In Bank of Bombay ... Rs. 25,173 5 1	
„ Bachoobai S. Bengalee Prize Fund—			
Principal ... ... Rs. 1,000 0 0		„ Office Treasury ... ... „ 508 0 0	
Interest ... ... „ 62 0 2			25,681 5 1
	1,062 0 2		
„ Donations for Training Urdu Teachers	2 0 0		
„ N. S. Bengalee Donation	4 0 0		
„ Cutchhi Memon Scholarship	36 0 0		
„ Income and Expenditure Account—			
Balance on 31st March 1912	73,102 15 8		
Total Rs. ...	77,995 1 1	Total Rs. ...	77,995 1 1

The Schools Committee's Office,
Bombay, 30*th April* 1912.

A. R. BHAIJI,
Ag. Secretary, Schools Committee.

BOMBAY, 14*th August* 1912.

From

THE MUNICIPAL AUDITORS,
BOMBAY,

To

THE MUNICIPAL SECRETARY,
BOMBAY.

SIR,

We have the honour to forward herewith the Auditors' report on the Municipal Accounts for the year 1911-12 in view to the same being printed and submitted to the Corporation as usual.

We have the honour to be,
Sir,
Your most obedient servants,

BHUKHANDAS B. DESAI,

SHIWARAM TRIMBAK THAKUR,
Municipal Auditors.

REPORT OF THE AUDITORS OF MUNICIPAL ACCOUNTS FOR THE YEAR 1911-1912.

For the audit of the accounts under review, Messrs. B. B. Desai and S. T. Thakur were appointed to be Auditors, as per Corporation Resolution No. 7404, dated the 2nd March 1911.

2. As usual all vouchers and papers, relating to both Receipts and Disbursements for the year 1911-12, have been examined with the Day Books and the Subsidiary Ledgers or Classified Abstracts of Receipts and Charges; the postings in the General Ledger have, also, been checked with the entries in the Day Books, and those in the Journal with the Subsidiary and General Ledgers.

3. The weekly statements of Receipts and Charges of the Municipal Fund were examined, as they were prepared prior to their publication in the *Bombay Government Gazette*.

4. The number of vouchers, relating to the accounts of the year, under review, compares with those of the previous year as follows :—

	1910-11.	1911-12.
Receipt vouchers	37,352	37,325
Disbursement vouchers	90,420	85,514
	1,27,772	1,22,839
	—4,933	

There is on the whole a decrease of 4,933 in the number of vouchers in the year under report.

5. The result of the year, compared with the Budget and the Revised, and the Actuals of the previous year, has been summarized below :—

	Actuals, 1910-11.	1911-12.		
		Budget.	Revised.	Accounts.
	Rs.	Rs.	Rs.	Rs.
Revenue and Receipts	1,21,96,149	1,20,77,000	1,24,73,000	1,26,55,789
Expenditure	1,12,81,872	1,20,10,219	1,27,73,556*	1,14,84,562*
Surplus ... ... +	9,14,277	66,781	.....	11,71,227
Deficit ... ... —	.....	.....	3,00,556	.....

* Exclusive of Rs. 5,00,000 utilized towards writing off of a portion of the Plague expenditure.

6. From the above figures it will be seen that the total receipts, during the year, under review, were more than those of the previous year by Rs. 4,59,640. The increase is mainly under General Tax, Licenses, Tobacco duty, Halalkhore and Water Taxes, Market receipts, Miscellaneous fees, Payment by the City Improvement Trust of credit balance in General Account under Section 79 of Act IV of 1898; Premia received on the loan of Rupees 30 lakhs raised during the year, and interest on the investment of surplus and loan balances. The revenue from Town Duties was less by Rs. 4,39,562 than in the previous year. The actuals were better than the Budget and the Revised by Rs. 5,78,789 and Rs. 1,82,789, respectively. The reasons for the variations have been given in the report of the Chief Accountant.

7. The total expenditure from the Municipal Fund amounted to Rs. 1,14,84,562 against Rs. 1,12,81,872 in the previous year, resulting in an increase of Rs. 2,02,690. The actuals are better than the Budget and the Revised by Rs. 5,25,657 and Rs. 12,88,994 respectively. When compared with the actuals of the previous year, there are variations under several heads, which have been explained in the report of the Chief Accountant.

8. The Budget estimated for a surplus of Rs. 66,781. This surplus was changed into deficit of Rs. 3,00,556 in the Revised Final Estimate. The actuals have, however, resulted in a surplus of Rs. 11,71,227 against a surplus of Rs. 9,14,277 in the year 1910-11. It may be noted that the above surplus of Rs. 11,71,227 has been reduced by Rs 5,00,000 utilized in

writing off of a portion of Plague expenditure, which for years, had been outstanding as an advance from Loan Funds, *vide* Corporation Resolution No. 6974, dated 4th March 1912.

9. The opening cash balance on the 1st April 1911 was Rs. 2,88,472-4-3. This, together with the total receipts of the year, (inclusive of Debt, Deposits, Advances, &c.) amounted to Rs. 5,50,15,160-11-7. The gross payments, during the year, amounted to Rs. 5,46,44,887-7-7, thus leaving a balance of Rs. 3,70,273-4-0 on the 31st March 1912.

10. The surplus funds investments on the 31st March 1912 amounted to Rs. 38,51,073-2-2, as per following details, against Rs. 34,89,936-15-6 on the same date last year :—

	Rs.	a.	p.
In Government, &c., paper with the Bank of Bombay (face value Rs. 10,08,900)	9,91,180	5	0
In Current Account with the following Banks :—			
Hongkong and Shanghai Banking Corporation	1,204	7	11
Comptoir National D'Escompte de Paris	1,137	4	9
Chartered Bank of India, Australia and China	32,636	9	7
National Bank of India, Limited	908	8	11
Yokohama Specie Bank	15,806	1	7
Mercantile Bank of India, Limited...	4,184	10	0
Bank of India, Limited	839	5	7
Eastern Bank, Limited	53,175	12	10
Total ...	1,09,892	13	2
In Fixed Deposits with the following Banks :—			
Comptoir National D'Escompte de Paris	10,00,000	0	0
Bank of Bombay	3,00,000	0	0
Chartered Bank of India, Australia and China	1,50,000	0	0
Mercantile Bank of India, Limited	3,00,000	0	0
Bank of India, Limited	8,00,000	0	0
Eastern Bank, Limited	2,00,000	0	0
Total ...	27,50,000	0	0
Grand Total ...	38,51,073	2	2

11. The invested balances of the several Loan Funds on the 31st March 1912 amounted to Rs. 36,58,394-1-10 as per following details, against Rs. 21,28,575-12-8 on the same date last year : —

	Rs.	a.	p.
In Government, &c.. paper with the Bank of Bombay (face value Rs. 21,15,500)	20,49,880	10	0
In Current Account with the following Banks :—			
Hongkong and Shanghai Banking Corporation	2,194	10	7
Chartered Bank of India, Australia and China	2,081	0	5
National Bank of India, Limited	1,713	11	8
Yokohama Specie Bank	639	11	8
Mercantile Bank of India, Limited	719	5	0
Bank of India, Limited	25,839	9	2
Eastern Bank, Limited	25,325	7	4
Total ...	58,513	7	10
In Fixed Deposit with the following Banks :—			
Comptoir National D'Escompte de Paris	2,00,000	0	0
Bank of India, Limited	1,00,000	0	0
Bank of Bombay	10,00,000	0	0
Eastern Bank, Limited	2,50,000	0	0
Total ...	15,50,000	0	0
Grand Total ...	36,58,394	1	10

12. The above balances in the several Banks have been compared with the Pass Books of the various Banks and found correct, and the safety receipts for the Government, &c., Papers, lodged with the Bank of Bombay, and the Fixed Deposit receipts of the several Banks, were examined and found to be in order.

13. The following is the list of charges, sanctioned during the year 1911-12 by the Municipal Commissioner and paid out of his Discretional Contingent grant :—

Item No.	Particulars.	Amount. Rs. a. p.
1	Charges on account of telegrams and fees (Rs. 980-5-9) paid to Sir Walter Hughes for services rendered in connection with the selection of an officer (Mr. J. W. Mackison) for the appointment of the Executive Engineer...	1,011 13 9
2	Cost of making good the damages to a motor car of Professor O. V. Muller in consequence of an accident at Ridge Road	149 0 0
3	Cost of subscription to one of the four exchange lines telephone Nos. 1201-4 from 1st October 1910 to 31st March 1911, maintained for the Assessment Department	11 4 0
4	Travelling expenses, paid to Mr. J. B. S. Thubron, Executive Engineer, Nasik, who came to see the Water Engineer, in connection with Mr. Kurve's case	49 8 0
5	Travelling expenses and fees paid to Mr. J. B. S. Thubron, Executive Engineer, Nasik, for professional services rendered in connection with Mr. Kurve's case	896 7 4
6	Cost of making models of water closet on closed intermediate system by the Drainage Department	171 12 7
7	Cost of replacing defective coins, received from the Superintendent of Gardens in the collection of admission fees on 15th March 1911	1 0 0
8	Cost of second class passage, telegram charges, examination fees, &c., in connection with the appointment of Mr. Greenop as Acting Chief Officer, Fire Brigade	1,156 15 6
9	Cost of making a timber testing machine at the Municipal Workshops	180 0 3
10	Cost of constructing Refuges at the junction of Girgaum and Sandhurst Bridge and Queen's Road	51 11 2
11	Cost of constructing urinals at the Museum site, Crescent, and Vincent Road	489 12 4
12	Charges on account of two irrecoverable bills for repairs to private meters	2 5 0
13	Cost of making good the damages caused to the B. E. S. and Tramways Co.'s tram car No. 34 by Municipal Motor Refuse wagon at Tardeo Terminus	38 11 7
14	Charges incurred by Mr. M. P. Wagh of Revenue & Refund Audit Department for Victoria hire for taking and bringing back boxes containing voting papers in connection with the election of B Ward	1 0 0
15	Charges for insuring 20 huts at Babula Tank occupied by the Biggaries of the Road Branch	12 3 10
16	Cost of constructing washing places in the Hindu Burial ground at Tank Bunder	66 11 2
17	Cost of constructing privies at Babula Tank for the Biggaries of the Road Department in D Ward	205 8 8
18	Charges for making Drainage connection to a washing place in the Hindu Cemetery at Mazagon	72 14 5
19	Cost of providing teak wood partition in the office of the Health Department in the Municipal Office Building	445 12 0
20	Compensation paid to Mr. Nanu Narayan Kothare for injury caused to his horse and carriage owing to the bad condition of Queen's Road...	250 0 0
21	Cost of removing sheds from sick bullock Hospital at Sankli Tank Street and refixing them at Kamatipura	646 14 3
22	Excess cost of clothing, supplied to Hamals, Janitors, &c., of the General Office Establishment	24 10 0
23	Payment made to the B. E. S. & Tramways Co. for damage caused to their car No. 150 by the Municipal Motor Refuse Wagon No. 3 at Nagdevi Street...	44 6 11
24	Purchase of tubs, flower pots, plants, &c., for the improvement of the garden at the Arthur Crawford Market	158 5 1
25	Charges on account of two irrecoverable bills of the Water Department for repairs to meters at Lady Jamsetji Road and Byramji Hill Lane	2 8 0
26	Compensation paid to Mr. Mulla Abdul Husein Kamrudin for damages caused to his shigram by the Municipal Motor Refuse Wagon	318 0 0
27	Cost of a Typewriter purchased for the License Department	260 0 0
28	Cost of supplying a model of water closet to the Drainage Department by the Municipal Storekeeper	7 15 0
29	Charges on account of an irrecoverable bill for removing an encroachment at Parel Road	2 2 6
30	Payment on account of an increase in the wages of labourers, employed on Private and Departmental Works for September and October 1911	42 7 4
31	Portion of the cost of providing teak wood partition round the telephone instrument at Mint Road Office of the Engineer's Department	55 5 5
32	Compensation to Mrs Campbell on account of injuries sustained by her by the fall of a road side tree in the Hornby Road	200 0 0
33	Charges for providing a sound proof enclosure to the Ward Office of the Engineering Department at the De Lisle Road	54 1 6
34	Cost of flags purchased from the Royal Visit Fund Committee for use on Municipal Buildings.	167 14 3
35	Charges for keeping a night watch with lights over a trench at Kalbadevi Road which could not be recovered from one Mr. R. Phillips	13 4 5
	Total ...Rs.	7,262 6 3

14. The amount outstanding on the 31st March 1912, under "Advances, Personal Account of Municipal Officers," was Rs. 46,955-12-5 against Rs. 13,860-12-1 on the same date last year. The former sum includes Rs. 7,905 on account of Permanent Advances to Municipal Officers and the remainder, *viz.*, Rs. 39,050-12-5 represents the sums, debited to this head, pending adjustment. The large increase is mainly due to advances having had to be made on account of purchase of coal and the charges in connection with the Royal Visit.

15. The amounts, outstanding on the 31st March 1912, under the heads noted below, compare as follows with those on the same date last year:—

	1910-11.	1911-12.
	Rs. a. p.	Rs. a. p.
Departmental Works	10,474 8 3	6,746 2 3
Private Works	18,159 6 4	21,385 13 2
Workshop	12,915 10 0	11,263 2 1
Total ...	Rs. 41,549 8 7	39,395 1 6

16. The amount outstanding on the 31st March 1912, to the debit of "Personal Account of Municipal Contractors" for supplies and services, rendered to them, and for recoveries, due from defaulting Contractors, was Rs. 515-8-8 against Rs. 17,298-9-8 on the same date last year.

17. The amounts outstanding on the 31st March 1912 under "Miscellaneous Advances" aggregated Rs. 3,75,344-6-10 against Rs. 59,483-15-10 on the same date last year. The large increase under this head has been explained in the report of the Chief Accountant.

18. The total expenditure on account of Plague during the year under report, met out of current revenue, amounted to Rs. 1,55,903 against Rs. 1,87,234-5-11 in the preceding year. The total expenditure on this account from the commencement of Plague, *i. e.*, from the year 1896-97 to the end of the year 1911-12, amounted to Rs. 75,74,450 and was financed as follows:—

	Rs.
(1) From the 20 lakhs Plague Loan	20,00,000
(2) From the Government Contribution	14,50,000
(3) From the amount recovered from the City Improvement Trust.	16,00,000
(4) From the Current Revenue	21,14,398
(5) From Advances from Loan Funds	4,10,052
Total ...	Rs. 75,74,450

It may be noted that during the year under report a sum of Rs. 5,00,000 has been met out of the current revenue and the amount of "Advances from Loan Funds," *viz.*, Rs. 9,10,052, has been reduced by that amount in accordance with Corporation Resolution No. 6974, dated 4th March 1912.

19. The scrutiny of collections and of outstanding Bills of Rates and Taxes for the year 1911-12 and of previous years:—

Collections.—During the year there were issued by the Assessor and Collector 96,121 net demand assessment bills for Property and Wheel Taxes of the value of Rs. 79,35,515-10-6 and 2,963 bills for meter hire for the same year of the value of Rs. 30,344-4-0.

The following figures give the particulars of the bills and collections:—

		Rs. a. p.	Rs. a. p.
95,579	Bills for Property and Wheel Taxes were issued for 1911-12 of the value of ...		79,00,939 1 1
498	Bills for the year 1910-1911	33,539 15 0	
42	" " 1909-1910	1,007 4 5	
2	" " 1908-1909	29 6 0	
542			34,576 9 5
2,963	Bills for meter hire for 1911-1912	.....	30,344 4 0
99,084			79,65,859 14 6
	Add—Government and Port Trust Contributions as per award	4,80,147 0 0	
	Arrear contributions for the year 1909 10 and 1910-11 due from Government	1,58,773 0 0	
	Outstanding on 31st March 1911	1,16,050 13 5	
			7,54,970 13 5
	Total amount to be collected (carried forward) Rs. ...	.....	87,20,830 11 11

	Rs. a. p.	Rs. a. p.
Total amount to be collected (brought over) ...	.....	87,20,830 11 11
Less—Collection made by the Assessor and Collector	79,57,127 1 3	
Paid by Government and Port Trustees	6,38,920 0 0	85,96,047 1 3
		1,24,783 10 8
Deduct—Amount of bills recalled and cancelled for all years from 1906-07 to 1910-11... ...		53,671 4 8
Total outstanding on 31st March 1912		71,112 6 0
Amount outstanding on 31st March 1911 exclusive of meter hire		1,15,338 13 5
Deduct—Amount of bills recalled and cancelled during the year for all years prior to 1911-12 exclusive of Rs. 627 on account of meter hire		53,044 4 8
		62,294 8 9
Add—Amount of bills amended and issued during the year		34,576 9 5
		96,871 2 2
Deduct—Amount recovered during the year		91,764 4 1
Balance outstanding on 31st March 1912		5,106 14 1

20. In accordance with the instructions, contained in the Corporation Resolution No. 5294, dated the 19th November 1888, all Sinking Fund investments during the year, pertaining to the several Loans, were examined with the result that out of the total sum of Rs. 6,26,764-4-3, provided in the Budget for the year 1911-12 a sum of Rs. 6,26,655-4-3 was actually invested, the budget figure having been overestimated by Rs. 109. The total accumulated balance, on account of the several Sinking Funds on the 31st March 1912, amounted to Rs. 1,15,36,138-5-3 (Rs. 1,15,35,569-11-0 in securities of the nominal value of Rs. 1,15,38,500 as given below, and Rs. 568-10-3 in Cash) :—

	Nominal Value of Paper.			Actual Cost.		
	Rs.	a.	p.	Rs.	a.	p.
5 per cent. Municipal Debentures ...	34,66,000	0	0	34,66,000	0	0
4 per cent. do. do. ...	21,69,000	0	0	21,68,816	6	9
4 per cent. Bombay Improvement Trust Bonds	28,64,000	0	0	28,64,051	11	3
3½ per cent. Government Promissory Notes...	26,50,600	0	0	26,47,801	9	0
3 per cent. Government Promissory Notes...	3,88,900	0	0	3,88,900	0	0
Total ... Rs.	1,15,38,500	0	0	1,15,35,569	11	0

The safety receipts, granted by the Bank of Bombay for the above securities in its custody, have been examined and found to be in order, and the cash balances in the Bank's Pass-Books of the above funds have also been verified and found correct.

21. The balances of the several Reserve Funds, *viz.*, the "Municipal Building Fire Insurance," "Worn-out Water Mains Renewal," and the "Net Premia" Funds on the 31st March 1912, amounted to Rs. 8,34,879-14-7 (Rs. 8,34,491-9-0 in securities of the nominal value of Rs. 8,29,500 as given below and Rs. 388-5-7 in cash) :—

	Nominal Value.			Actual Cost.		
	Rs.	a.	p.	Rs.	a.	p.
Municipal Building Fire Insurance Fund...	1,49,000	0	0	1,50,564	11	0
Worn-out Water Mains Renewal Fund ...	5,37,000	0	0	5,39,160	15	0
Net Premia, &c., Fund	1,43,500	0	0	1,44,765	15	0
Total Rs. ...	8,29,500	0	0	8,34,491	9	0

The Bank's safety receipts for the above securities and the Pass-Books for the cash balance have been examined and found to be in order.

22. The safety receipts for securities in Government, &c., Paper, received from the Municipal employés and contractors, and lodged with the Bank of Bombay, have been examined and found to be in order.

23. The securities, furnished by the Municipal employés and on the record of the Chief Accountant's Office, have also been examined with the Registers, maintained in his office, and found to be in order.

24. The balance of stock in hand on the 31st March 1912, as per books of the Chief Accountant compared with that of the preceding year, was as follows:—

Department.	1910-1911.	1911-1912.
	Rs. a. p.	Rs. a. p.
Executive Engineer's Department	136 11 0	—979 11 0
General Stores Department.		
General Stores	3,46,008 14 6	3,07,380 9 6
Surplus and Obsolete Stores	43,086 12 0	35,422 14 7
Line Suspense Account	1,18,731 13 1	1,15,652 8 5
Total Rs. ...	5,07,827 7 7	4,58,456 0 6
Stores (Sales)	18,348 12 7	14,495 5 4
Water Works Imprest	1,376 4 5	2,086 0 10
Stock Adjustment Account	—12,398 4 1	—146 6 5
Total Rs. ...	7,326 12 11	16,434 15 9
Grand Total Rs. ...	5,15,290 15 6	4,73,911 5 3

25. In accordance with the instructions contained in para. XXIX of the Stores and Stores Audit Manual, a balance sheet of the General Stores Department has been prepared in the form of Appendix O of the Manual, giving two sets of figures, one from the Books of the Chief Accountant and the other from the Balance Sheet of the Storekeeper. The difference in the balance on the 31st March 1912, between the two sets of figures, has been explained by a foot-note in the statement hereto attached.

BHUKHANDAS B. DESAI,

SHIWARAM TRIMBAK THAKUR,

Municipal Auditors.

BOMBAY, 14*th August* 1912.

Statement of Stores Transactions for the year ending 31st March 1912.

(Appendix O of the Stores and Stores Audit Manual.)

General Stores Department.	Figures as per Books of the Chief Accountant.					Figures as per Balance Sheet of the Storekeeper.				
	Balance on 31st March 1911.	Receipts during 1911-12.	Total.	Issues during 1911-12.	Balance on 31st March 1912.	Balance on 31st March 1911.	Receipts during 1911-12.	Total.	Issues during 1911-12.	Balance on 31st March 1912.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
General Stores ...	3,46,008 14 6	6,16,388 6 10	9,62,397 5 4	6,55,016 11 10	3,07,380 9 6	3,46,154 10 7	6,34,823 5 9	9,80,978 0 4	6,82,215 2 1	2,98,762 14 8
Surplus and Obsolete Stores	43,086 12 0	225 2 8	43,311 14 8	7,889 0 1	35,422 14 7	43,086 12 0	275 1 1	43,361 13 1	8,643 5 6	34,718 7 7
Line Suspense Account	1,18,731 13 1	366 0 0	1,19,097 13 1	3,445 4 8	1,15,652 8 5	1,18,731 13 1	3,356 10 4	1,22,088 7 5	7,137 1 0	1,14,951 6 5
Total Rupees ...	5,07,827 7 7	6,16,979 9 6	11,24,807 1 1	6,66,351 0 7	4,58,456 0 6	5,07,973 3 8	6,38,455 1 2	11,46,428 4 10	6,97,995 8 7	4,48,432 12 3
									Difference ...	* 10,023 4 3
										4,58,456 0 6

* The difference of Rs. 10,023-4-3 between the balances on 31st March 1912, as shown above, is mainly due to non-adjustments of the value of certain stores in the books of the Chief Accountant. These adjustments will be made on receipt of complete information and documents from the different Departments.

BHUKHANDAS B. DESAI,
SHIWARAM TRIMBAK THAKUR,
Municipal Auditors.

BOMBAY, 14*th August* 1912.

MUNICIPAL OFFICES,
BOMBAY, *30th May 1912.*

FROM

THE MUNICIPAL AUDITORS,
BOMBAY.

To

THE MUNICIPAL SECRETARY,
BOMBAY.

SIR,

In accordance with Section 137 of the Bombay Municipal Act of 1888, we have the honor to forward herewith the three Appendices, marked A, B and C, containing the result of the scrutiny of the outstanding Bills of Rates and Taxes, which were in the hands of Ward Clerks and in the office of the Assessor and Collector on the 31st March 1912.

2. These Appendices form part of the Annual Report on the Municipal Accounts for the year 1911-12, now under preparation.

We have the honor to be,

Sir,

Your most obedient servants,

BHUKHANDAS B. DESAI,
SHIWARAM TRIMBAK THAKUR,
Municipal Auditors.

Appendix A.

STATEMENT OF OUTSTANDING BILLS OF RATES AND TAXES in the hands of the Ward Clerks and in the Office of the Assessor and Collector on the 31st March 1912.

Wards.	No. of Bills.	Amount. On Value. General Tax.	Water Tax.	Halalkhor Tax.	Total.	Compounded or Special. Compound Water Service.	Special Halalkhor Service.	Water Charged by Meter.	Tax on Vehicles and Animals.	Meter Hire.	Grand Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A. ...	212	7,499 11 1	1,646 8 8	2,185 3 8	11,331 7 5	.....	.....	1,915 7 1	819 0 0	5 0 0	14,070 14 6
A.—Government, Port Trust and Railways.	447	381 15 4	17 2 1	37 12 11	436 14 4	276 5 1	8,443 12 6	10,178 6 1	62 0 0	298 4 5	19,695 10 5
A.—City Improvement Trust.	12	3,771 6 9	657 7 5	538 12 6	4,967 10 8	.....	.....	.....	.....	.....	4,967 10 8
B ...	124	3,011 5 5	1,357 2 7	1,219 1 3	5,587 9 3	7 0 0	51 0 6	274 8 8	208 0 0	18 0 0	6,146 2 5
C ...	62	4,068 1 4	1,160 3 9	1,178 11 0	6,407 0 1	.....	116 12 10	132 0 0	170 0 0	8 0 0	6,833 12 11
D ...	76	2,215 11 2	624 13 2	638 1 1	3,478 9 5	1 0 0	.....	1,446 10 5	713 11 0	.....	5,639 14 10
E ...	138	2,795 3 11	878 5 8	857 9 11	4,531 3 6	2 8 0	406 7 5	128 0 0	377 5 0	11 0 0	5,456 7 11
F ...	66	604 7 3	172 2 4	200 0 2	976 9 9	1 0 0	.....	245 9 9	16 0 0	2 0 0	1,241 3 6
G ...	102	933 10 10	422 4 1	399 15 10	1,755 14 9	2 0 0	.....	145 12 0	38 0 0	12 0 0	1,953 10 9
Total ...	1,239	25,281 9 1	6,936 1 9	7,255 4 4	39,472 15 2	289 13 1	9,018 1 3	14,466 6 0	2,404 0 0	354 4 5	66,005 7 11

BHUKHANDAS B. DESAI,
SHIWARAM TRIMBAK THAKUR,
Municipal Auditors.

MUNICIPAL OFFICES,
BOMBAY, *30th May 1912.*

Appendix B.

STATEMENT OF OUTSTANDING BILLS OF RATES AND TAXES in arrears for the year 1910-11 and previous years in the hands of the Ward Clerks and in the Office of the Assessor and Collector on the 31st March 1912.

Wards.	No. of Bills.	Amount. On Value. General Tax.	Water Tax.	Halalkhor Tax.	Total.	Compounded or Special. Compound Water Service.	Special Halalkhor Service.	Water Charged by Meter.	Tax on Vehicles and Animals.	Grand Total.
		FOR THE YEAR 1910-11.								
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A	25	1,221 14 0	376 14 5	6 2 5	1,604 14 10	.....	766 8 0	47 13 11	101 0 0	2,520 4 9
A—Government, Port Trust and Railways.	2	.....	.....	.....	.....	37 12 11	0 12 11	.....	.....	38 9 10
B	13	228 12 9	63 11 3	68 6 4	360 14 4	1 0 0	.....	96 8 0	11 0 0	469 6 4
D	7	370 0 3	117 8 6	106 13 11	594 6 8	.....	.....	.....	.....	594 6 8
E	14	431 1 9	103 11 1	103 3 2	638 0 0	1 0 0	64 4 9	.....	30 0 0	733 4 9
F	6	33 12 2	10 11 7	13 14 4	58 6 1	.....	.....	.....	.....	58 6 1
G	8	104 6 3	28 4 3	26 2 9	158 13 3	.....	.....	.....	.....	158 13 3
Carried forward ...	75	2,389 15 2	700 13 1	324 10 11	3,415 7 2	39 12 11	831 9 8	144 5 11	142 0 0	4,573 3 8

Appendix B.—*concld.*

Wards.	No. of Bills.	Amount. On Value. General Tax.	Water Tax.	Halalkhor Tax.	Total.	Compounded or Special. Compound Water Service.	Special Halalkhor Service.	Water Charged by Meter.	Tax on Vehicles and Animals.	Grand Total.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought over	75	2,389 15 2	700 13 1	324 10 11	3,415 7 2	39 12 11	831 9 8	144 5 11	142 0 0	4,573 3 8
				FOR THE YEAR 1909-10.						
A	6	19 5 1	0 12 2	0 10 5	20 11 8	.....	.....	120 14 5	.....	141 10 1
A—Government, Port Trust and Railways	2	.....	.....	.....	.....	.....	.....	69 6 0	.....	69 6 0
... ...	2	.....	.....	.....	.....	.....	.....	.....	29 6 0	29 6 0
E	2	.....	.....	.....	.....	.....	.....	.....	18 12 11	18 12 11
Total ...	12	19 5 1	0 12 2	0 10 5	20 11 8	.....	.....	190 4 5	48 2 11	259 3 0
				FOR THE YEAR 1908-09.						
A	2	.....	.....	.....	.....	.....	.....	.....	12 12 8	12 12 8
				FOR THE YEAR 1907-08.						
B	2	.....	.....	.....	.....	.....	.....	.....	25 2 8	25 2 8
C	2	.....	.....	.....	.....	.....	.....	.....	11 10 4	11 10 4
E	3	121 6 5	50 11 8	43 7 10	215 9 11	.....	.....	.....	.....	215 9 11
G	2	6 10 10	.....	2 9 0	9 3 10	.....	.....	.....	.....	9 3 10
Total ...	9	128 1 3	50 11 8	46 0 10	224 13 9	.....	.....	.....	36 13 0	261 10 9
Grand Total ...	98	2,537 5 6	752 4 11	371 6 2	3,661 0 7	39 12 11	831 9 8	334 10 4	239 12 7	5,106 14 1

MUNICIPAL OFFICES,
BOMBAY, 30*th May* 191?.

BHUKHANDAS B. DESAI,
SHIWARAM TRIMBAK THAKUR,
Municipal Auditors.

Appendix C.

SUMMARY OF APPENDICES **A** AND **B.**

Years.	Appendix A. No. of Bills.	Appendix A. Amount.	Appendix B. No. of Bills.	Appendix B. Amount.	Grand Total. No. of Bills.	Grand Total. Amount.
		Rs. a. p.		Rs. a. p.		Rs. a. p.
[illegible]	1,239	66,005 7 11	.....	.....	1,239	66,005 7 11
... ...	.....	.....	75	4,573 3 8	75	4,573 3 8
...	.....	.....	12	259 3 0	12	259 3 0
	.....	.....	2	12 12 8	2	12 12 8
	.....	.....	9	261 10 9	9	261 10 9
		66,005 7 11	98	5,106 14 1	1,337	71,112 6 0

[illegible]g amount on the same date last year was Rs. 1,16,050-13-5.

BHUKHANDAS B. DESAI,
SHIWARAM TRIMBAK THAKUR,
Municipal Auditors.

BOMBAY, 29*th July* 1912.

FROM

THE MUNICIPAL AUDITORS,
BOMBAY.

To

THE MUNICIPAL SECRETARY,
BOMBAY.

SIR,

WE have the honour to forward herewith our Report on the Accounts of the Schools Committee for the year 1911-12.

We have the honour to be,
SIR,
Your most obedient servants,
BHUKHANDAS B. DESAI,
SHIWARAM TRIMBAK THAKUR,
Municipal Auditors.

N THE ACCOUNTS OF THE SCHO
FOR THE YEAR 1911-12.

ith Bye-law No. 15 of the Schools Committee, we beg ... port tha... counts, examined all vouchers, relating to the Receipts and Disburse-und in charge of the Schools Committee from the 1st April 1911 to ... and found them in order.

al receipts of the School Fund during the year under report, amounted ...-5 against Rs. 3,61,149-14-0 during the year 1910-11. The excess of ... receipts over the preceding year, is mainly due to increase in the collection ... schools, opened during the year, and to interest, realized on the investment of ...sh Balance.

The total expenditure during the year 1911-12 amounted to Rs. 3,38,263-8-9 ...s. 3,30,890-13-0 in the year 1910-11. The latter amount included Rs. 12,175-4-3 on ...of adjustment of advances made in connection with the building of the S. S. Bengalee ...chool. Thus there has been a net increase of Rs. 7,372-11-9 plus Rs. 12,175-4-3 = ...548 in the expenditure over that of the previous year.

Following are the main causes for the increased expenditure :—

(*a*) Opening of new schools and consequent additional charges on account of salaries of teachers and servants and of rent of school-houses.

(*b*) Registration of more schools under the Grant-in-aid Code, and re-assessment of grants, allowed to several schools.

4. It will be seen from the foregoing paras. 2 and 3 that the total receipts were greater ...an the total outgoings by Rs. 26,933-8-8 during the year under report.

5. It may be noted that, out of the Surplus Cash Balance a sum of Rs. 48,218-12-0 ...as invested in 3½ per cent. Government Promissory Notes of the nominal value of Rs. 50,000 ... the month of August 1911.

6. The sanctioned total Budget Grant for expenditure, during the year, has not been ...ceeded ; but more expenditure has been booked than the Budget Grants under the following ...eads :—

	Budget Grant.	Expenditure booked.	Excess over Budget Grant.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
A. Schools.—			
Servants	5,352 0 0	5,656 9 2	304 9 2
School Furniture...	9,000 0 0	9,788 13 0	788 13 0
Grants-in-aid to Primary Schools ...	37,500 0 0	40,674 0 0	3,174 0 0
Total Rs. ...	51,852 0 0	56,119 6 2	4,267 6 2

It is requested that steps may be taken to obtain the necessary transfer of grants to meet the excesses under the heads enumerated above. Such transfers may, in future, be obtained before any excess expenditure is incurred.

7. The total Assets and workable balance of the School Fund on the 31st March 1912, amounted to Rs. 77,995-1-1 and Rs. 73,102-15-8, respectively, as per details given below :—

Advances recoverable		Rs.	95 0 0
Government Promissory Notes and other Securities belonging to Prize Funds, deposited for safe custody with the Bank of Bombay (Nominal value)		„	4,000 0 0
Government Promissory Notes of the nominal value of Rs. 50,000, deposited for safe custody with the Bank of Bombay on Account of investment of Surplus Cash Balance (actual value).		„	48,218 12 0
Cash Balance—			
In Bank of Bombay	Rs. 25,173 5 1		
In Office Treasury	„ 508 0 0		
		„	25,681 5 1
Total Amount of Assets ...		Rs.	77,995 1 1
Deduct—			
Total Liabilities of the Schools Fund :—			
On account of Prize Funds, &c. ...	Rs. 4,306 6 10		
On account of Deposit Accounts ...	„ 585 10 7		
		„	4,892 1 5
Total amount of workable balance of the School Fund on 31st March 1912, ...		Rs.	73,102 15 8

8. The balance in the Pass-Book of the Bank of Bombay was verified by us and found correct, and the Safety receipts for the Government Papers, etc., lodged with the Bank of Bombay, were examined by us and found to be in order.

BHUKHANDAS B. DESAI,
SHIWARAM TRIMBAK THAKUR,
Municipal Auditors.

BOMBAY, 29*th July* 1912

/0

PART II.

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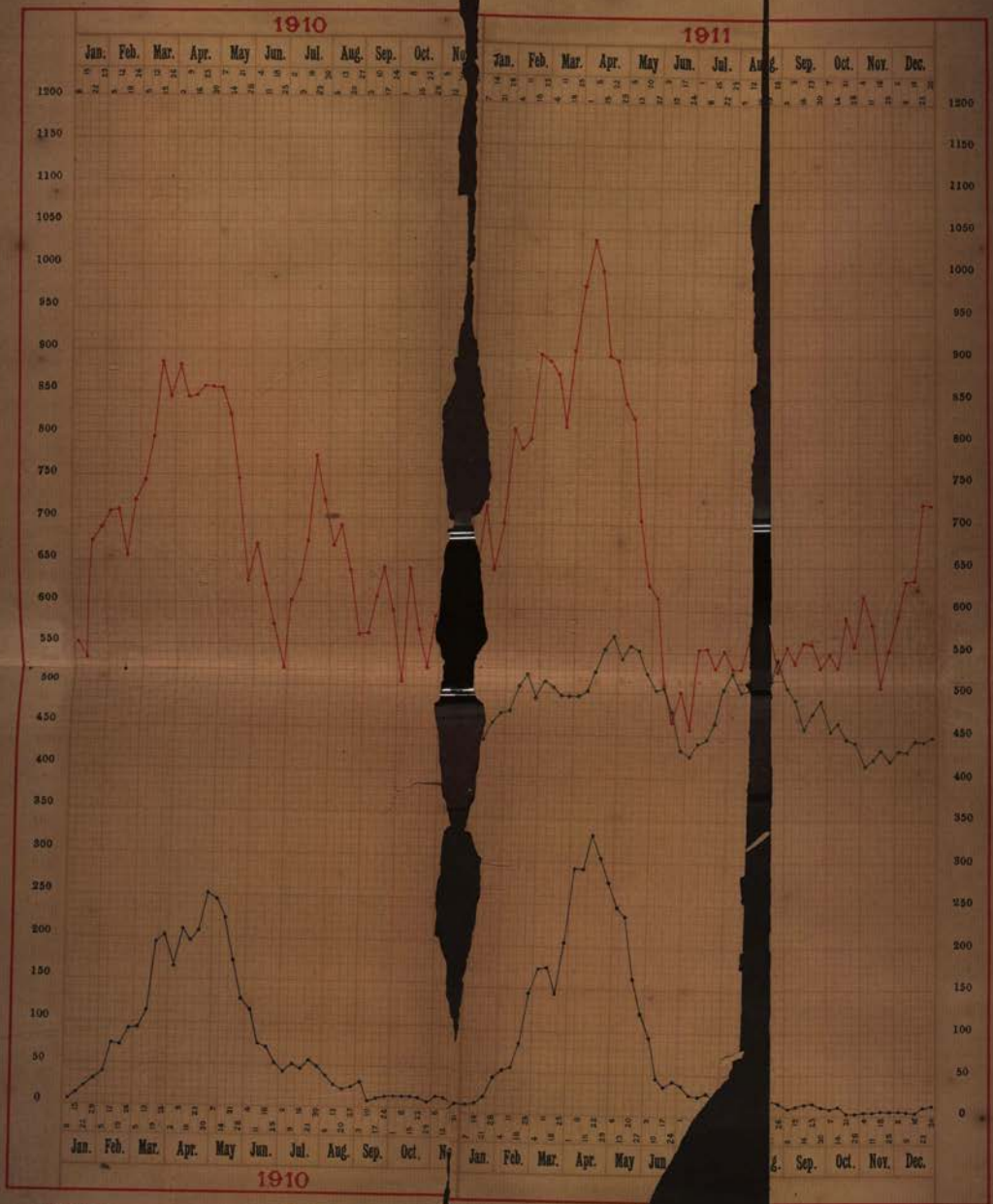
DIAGRAM

Weekly Total and Plagu Mortality in 1910 and 1911



TOTAL _____ PLAGUE _____ Average of 5 fore PLAGUE _____

Shri Kasumsee Printing Press, Girgaon Bombay.

DIAGRAM

DAILY MEAN BIRTHS, DEATHS AND CLIMATIC CONDITIONS IN BOMBAY.

DURING THE SEVERAL MONTHS

OF

DAILY AVERAGE.

Total Mortality _____ Births. _____

Plague " _____

Max. _____

Mean _____

Minum _____

Max. _____

Mean _____

Minum _____

DAILY AVERAGE.

Births _____ Total Mortality _____

Plague " _____

Shri Karunesh Printing Press, Girgaon Bombay.

PUBLIC HEALTH.

Annual Report of the Executive Health Officer for 1911.

I have the honour to submit my Annual Report for 1911 on the Conditions and Administration of the Public Health of Bombay.

The year under report was a Census Year and as the work of organization and preliminary enumeration in this City was carried out by the Executive Health Officer and Mr. P. P. Wagh, now Superintendent of Licenses, assisted by the Officers and Staff of the Health Department, a succinct account of the measures adopted for the taking of the Census and of the outstanding features of it is given below.

Census Operations.

In May 1910, Mr. P. J. Mead, I.C.S., Provincial Superintendent of Census Operations, Bombay Presidency, proposed that, as Executive Health Officer, I should be placed in charge of the Census Operations for 1911 in Bombay Town and Island; the Corporation sanctioned my appointment for the purpose under their Resolution No. 2318, dated 7th July 1910. On the 1st of October 1910, the services of Mr. P. P. Wagh, then 1st Assistant Assessor, who had acted as Assistant to Mr. S. M. Edwardes, I.C.S., for the decennial Census of 1901 and as my Assistant for the interim Municipal Census of 1906, were placed at my disposal.

The City is divided into 32 Sections for the Registration of Vital Statistics, and the same Divisions were, as on the former occasions, adopted for Census purposes. The measures devised for the taking of the Census were very similar to those followed in 1906.

Selected members of the outdoor staff of the Health Department were appointed Charge Superintendents for blocking out and enumerating several Sections.

The work of blocking out the Sections was commenced on the 4th October and carried out simultaneously in all the Sections; it was completed, along with the numbers of houses, before the end of November. Excluding the Railway and Military Areas, Government House, Buildings and Docks, the City was divided into 200 Circles of 2,263 blocks consisting of 44,939 buildings (structures) in all.

The average number of buildings per charge, Circle and Block for the preceding two Censuses of 1901 and 1906 are compared below with those for the Census of 1911:—

Average No. of Buildings,

Per	In 1901	In 1906	In 1911
Charge (Section) ...	1,213·8	1,368·7	1,404·3
Circle	193·8	220·1	224·7
Block	16·6	19·3	19·9

Schedules.

Four kinds of Schedules were used for enumeration of the City:—(i) The General Schedule for the bulk of the population, *viz.*, the illiterate classes and for such of the people as had no objection to being enumerated in them: this was written up by the enumerator; (ii) the House-hold Schedule for Europeans and Eurasians or Anglo-Indians: (iii) the Private Schedule for such of the respectable Natives as were capable of filling it up correctly and, (iv) the Industrial Schedule for persons working in mines, mills, factories, etc, to be filled in by the owners or Managers of mills, factories, etc., in which at least twenty persons were employed.

The Census Code provided for the first two kinds of Schedules only but the Private Schedule was added on, as the necessity for one similar to that used in 1901 for well-educated classes was urged.

The Census Commissioner for India pointed out that there was no reliable information available as regards recent industrial developments and recommended the Industrial Schedule. His proposal was generally approved by the Local Governments and Administrations and the Government of India prescribed the Schedule.

Arrangements for enumeration.

All the buildings on Railway premises wheresoever situated in the Town and Island of Bombay were dealt with by the Railway authorities.

Major C. F. Dobbs, Deputy Assistant Adjutant and Quarter-Master-General, Bombay Brigade, was appointed by Government to make the necessary arrangements for the Census of the Military areas.

The arrangements for the enumeration of the Harbour and Docks were carried out by the Senior Naval Officer, the Director of the Royal Indian Marine, the Port Officer, and Mr. C. R. Watkins, Assistant Collector, in charge Preventive service. The general supervision of the Census work in the Port of Bombay was under the Collector of Customs, and the Water Police assisted in carrying out the operations.

The enumeration of the homeless and the wandering as well as of Police Lock-ups was readily undertaken by the Commissioner of Police at my request. The homeless and the wandering form a most turbulent class, and their enumeration is undoubtedly a most difficult task, with which the Census Office can hardly be expected to cope satisfactorily without the help of the police. The Superintendents of the several Divisions organised search parties to go into all streets and lanes, arches of bridges, *maidans* and pavements and all places where beggars, mendicants and others without a house of their own might be expected to pass the night, and those found there were brought to the Enumeration Stations specially appointed for them.

In case of jails, hospitals, asylums, boarding schools, residential clubs, hotels and such other institutions, the Officer in charge of them, or the Secretary or Manager filled in the Schedules forwarded to him.

Municipal and other buildings occupied by Municipal Begaries and Sweepers were enumerated by the Ward Clerks and Sub-Inspectors of the the Health Department for the respective Wards.

Enumeration.

Preliminary enumeration was commenced on 11th February and almost completed on 5th March. For the last five days the number of 323 enumerators selected for the preliminary census from among applicants was increased by the addition of Government and Municipal servants placed on enumeration duty and temporarily relieved of their ordinary duties and by enumerators taken on for six days from 6th to 11th March.

The total number of Government Servants engaged on the Census work was 993 and the total number of Municipal employès told off was 758: while Firms and Business Houses spared for the work 40 clerks.

The following Educational Institutions enumerated some Sections or portions thereof with the help of Teachers and advanced students; the population so enumerated is shown against each, and numbered in all 97,962 persons or just over 10 per cent. of the population of the City.

Name of the Institution.	Total population enumerated.
The Elphinstone College	15,125
„ „ High School	30,797
„ Aryan High School	18,384
„ Maratha High School	11,387
„ Esplanade High School	10,312
„ Gokuldas Tejpal High School	5,559
„ Panalal Jain High School	3,660
„ Robert Money Institute	2,739

Notification to the Public.

To acquaint the Public with the approach of the Census operations and the object of the Census and of the enumerators' visits, notices printed in English and Marathi, Gujarathi and Urdu were freely distributed in all the Sections. Advantage was taken of the influence of the Commissioner of Police with the Mahomedan Communities to secure the co-operation of the heads of the various *Jamats* whom he personally interviewed and who promised all necessary help.

The work of blocking and enumerating the several Sections was very carefully checked almost every morning from the date of commencement. The Deputy Health Officers occasionally lent their assistance to the Charge Superintendents.

On the final Census night the Assistant Health Officers, the Deputy Health Officers, and the Registrars went round their respective charges from 7-30 p.m. to midnight.

The final enumeration was thus completed on the morning of the 11th March, and on the 15th idem the provisional totals were telegraphed to the Census Commissioner for India and the Provincial Superintendent of Census.

Several private schedules were subsequently received as also the figures, supplied by the Assistant Collector of Customs, in charge Preventive Service, for the vessels which arrived between the 11th and 25th March.

Population enumerated.

The total population enumerated within the limits of the Town and Island was 979,510—639,447 males and 340,063 females; but the final figures arrived at by the Provincial Superintendent of Census are 979,445, as representing the total population—640,288 being males and 339,157 females.

Results.

This disparity of numbers in the male and female population will always be found in an Industrial City. Of the total, only 224,881 inhabitants were born in the City, but it is well-known that in a large number of cases prospective mothers are sent away to their homes for delivery.

Reasons for small increase.

The result of the Census of 1911 gives an increase of 1,623 individuals on the population recorded at the Municipal Census of 1906; but at the time of the last Census, there was a certain amount of Plague in the City, which meant an exodus of people, especially from Mandvi, Fanaswadi and Girgaum Sections to Salsette, Kalyan and other places in Thana District and along the G. I. P. and B. B. & C. I. Railways.

The estimate of Plague refugees was not worked out for the Census of 1911, but judging from the figures estimated by Mr. Edwardes for the very much more serious epidemic of 1901, which he put at 43,200, they must have numbered at least 15,000.

Again, on account of the near approach of the Holi Festival and the closure of about twenty mills owing to the dearness of raw material, the departures from Bombay by Sea between 1st January and 11th March exceeded the arrivals by over 40,500 according to the figures supplied, at my request, by the Assistant Collector, in charge Preventive Service. It would not therefore be too much to estimate that 50,000 persons, who would normally have been in the City on the 10th March, had left it temporarily. If these be included the total population figures would come to 1,030,000.

Mr. Drew, who conducted the Census of 1891, worked out the annual increase of the population to be ·01288, at which rate the estimated population in 1911 should have been 1,061,460. The deficit may be put down to successive epidemics of Plague which has been present in the City since 1896. In the decade ending 1901, the recorded loss from Plague was 114,000, and but for this disturbing factor, the City would have been even more populous.

Though there is on the whole an increase of 1,623 persons, there are large decreases in Fort North, Fort South, Mandvi, Chukla, Umerkhadi, Dongri, Market and Kumbharwada Sections. Most of the Offices in Fort South have been shifted to new buildings on Hornby Road in Esplanade Section. Several houses in Fort North were vacant owing to Malaria and Plague, while the decreases in the remaining Sections are principally due to the action of the City Improvement Trust. This heavy decrease has, however, been counterbalanced by increases in Lower Colaba, Esplanade, 1st Nagpada, Sewri and Worli Sections. The increase in Lower Colaba is due to new buildings on the Colaba Reclamation and that in Esplanade and 1st Nagpada to the numerous sheds on Dock extension works and to the construction of new buildings.

Movement of Population.

Compared with the results of the Census of 1901, the largest increases per acre have been in Kamathipura, Girgaum (doubled), Dhobi Talao, 2nd Nagpada, Fanaswadi, Bhuleshwar, but all these areas are small. The large Sections in the North of the Island have increased by over 82,000 persons or 52 per cent., and even allowing that Sewri, Sion and Mahim are "sections of refuge," it is clear that there is a steady movement of the population towards the North of the Island, owing to the demolition of numerous buildings in the Improvement Trust Schemes, especially in B and C Wards; 1st Nagpada in E Ward, for instance, shows a decrease of 4,163 individuals or 65 per cent.

There are 32,902 buildings on the Island, 53 of which accommodated over 400 persons a piece; of these most were in Umerkhadi, Byculla, Parel and Worli—all industrial Centres.

There are 166,337 occupied one-room tenements with a population of 743,247, giving an average of 4·47 persons per room as against an average of 1·43 and 1·45 persons per room living in 5 and 6 room tenements. 76 per cent. of the population lives in one-room tenements.

Two Tables are given below showing (1) the population in the different Sections of the City and (2) the population of different Communities, at the Censuses of 1901, 1906 and 1911.

Ward.	Sections.	1901. Area in Acres.	1901. Population.	1901. Density per Acre.	1906. Area in Acres.	1906. Population.	1906. Density per Acre.	1911. Area in Acres.	1911. Population.	1911. Density per Acre.
A	Upper Colaba ...	144·19	3,956	27·4	144 19	3,775	26·2	144·19	1,557	10·7
	Middle and Lower Colaba	265·64	13,023	49·0	288·92	15,310	53·9	288·00	19,679	68·3
	Fort, Southern ...	131·70	3,309	25·1	131·70	3,944	29·9	131·70	3 462	26·2
	Fort, Northern ...	134·30	22,956	170·9	134·30	28,778	214·2	134·30	25,400	189·1
	Esplanade	662·39	10,398	15·6	663·77	11,015	16·5	663·77	17,761	26·7
B	Mandvi	164·66	31,402	190·7	164·66	38,158	231·6	164·66	33,202	201·6
	Chukla	51·58	24,384	472·7	51·58	29.362	569·2	51·58	24,231	469·7
	Umarkhadi	105·33	48,481	460·2	105·33	53,610	508·9	105·33	45,679	433·6
	Dongri	285·47	25,778	90·3	285·47	32,663	114·4	285·47	27,246	95·4
C	Market	89·11	28,415	318·8	89·11	35,305	396·1	89·11	30,172	338·5
	Dhobi Talao... ...	99·69	29,583	296·4	99·69	36,594	367·0	99·69	38,684	388·0
	Fanaswadi	125·23	16,354	130·5	125·23	29,240	233·4	125·23	27,403	218·8
	Bhuleshwar	75·79	30,229	398·8	75·79	38,129	503·0	75·79	36,459	481·0
	Khara Talao	41·64	23,161	556·2	41·64	26,935	646·8	41·64	22,979	551·8
	Kumbharwada ...	46·06	27,544	598·0	46 06	32,784	711·7	46·06	27,708	601·4
D	Khetwadi	170·30	27,150	159·4	170·30	33,579	197·1	170·30	31,937	187·5
	Girgaum	124·60	14,866	119·3	124·60	28,449	228·3	124·60	30,779	247·0
	Chowpati	111·77	6,729	60·2	111·77	13,033	116·6	111·77	11,397	101·9
	Walkeshwar... ...	545·43	10,563	19·3	545·43	12.685	23·2	545·43	10,640	19·5
	Mahalakshmi ...	642·01	18,092	28·1	642·01	24,650	38·3	642·01	26,302	40·9
E	Mazagon	614·92	27,933	45·4	638·59	30,872	48·3	638·59	30,075	47·0
	Tarwadi	479·68	18,460	38·4	479·68	26,278	54·7	479·68	28,424	59 2
	Second Nagpada ...	34·00	18,591	546·7	34·00	22,016	647·5	34·00	21,700	638·2
	Kamatipura	66·14	26,706	403·7	66·14	36,484	551·6	66·14	36,751	555·6
	Tardeo	228·68	20,598	91·6	228·68	28,193	123·2	228·68	27,758	121·3
	Byculla	511·52	57,646	112·6	511·52	76,280	149·1	511·52	75,248	147·3
	First Nagpada ...	29·60	10,577	357·3	29·60	3,335	112·6	29·60	6,414	216·6
F	Parel	552·45	33,390	60·4	552·45	46,960	85·0	552·45	45,474	82·3
	Sewri...	445·47	9,294	20·8	445·78	15,985	35·8	492 80	19,067	38·6
	Sion	4,261·08	25,443	5·9	4,261·08	30,515	7·1	4,261·08	30,680	7·2
G	Mahim	1,286·23	27,336	21·2	1,286·23	31,178	24·2	1,286·23	30,492	23·7
	Worli...	1,815·64	45,588	25·1	1,815·64	69,488	38·2	1,815·64	89,611	49·3
	Harbour and Docks, Railways and Homeless	.....	37,681	...	.....	32,240	...	.....	44,979	...
	Total ...	14,342·30	776,006	54·1	14,385·89	977,822	67·8	14,432·00	979,445	67·8

Population of Bombay.

Race or Caste.	Population by the Census of 1901.	Population by the Census of 1906.	Population by the Census of 1911.
Jains	14,248	706,154	20,460
Brahmins	31,078		53,656
Lingaits	2,144		1,179
Bhatias	5,359		7,780
Hindus of other Castes	396,501		547,192
Hindus, Low Caste...	73,617		54,235
Mussulmans*	155,121	168,677	179,346
Parsees	46,231	48,824	50,931
Jews	5,357	5,367	6,597
Native Christians	29,645	30,223	41,273
Eurasians	3,258	3,911	4,188
Europeans	12,273	14,374	11,894
Negro-Africans	636	†.....	†.....
Buddhists	395	284	578
Other and Unknown Castes	153	8	186
Total ...	776,006	977,822	979,445

† Negro-Africans are included in Mussalmans.

COMPARATIVE TABLE OF THERMOMETRICAL READINGS DURING 1902-1911.

Mean Temperature.

MONTHS.	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
January	77·0	74·4	76·0	73·4	74·0	76·9	75·6	73·0	74·7	75·5
February	77·5	74·5	77·7	71·4	73·7	76·4	75·4	74·8	77·0	75·6
March	81·9	76·7	79·9	76·1	77·5	79·8	77·6	79·8	79·7	78·7
April	84·4	82·2	83·1	79·7	81·5	83·4	83·3	82·2	82·9	81·2

Maximum Temperature.

MONTHS.	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
January	87·1	84·1	86·8	83·4	85·4	86·3	84·8	79·6	85·1	88·4
February	85·0	87·8	88·8	81·8	84·6	84·8	89·4	83·0	86·4	90·2
March	89·3	84·2	91·1	83·8	84·9	88·4	86·4	87·2	90·4	85·6
April	89·6	90·1	88·2	86·6	88·8	88·9	94·3	90·1	88·6	88·6

Minimum Temperature.

MONTHS.	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
January	66·4	62·4	63·3	57·4	62·4	67·2	63·4	62·7	61·4	63·1
February	65·9	62·4	68·3	58·4	63·6	64·2	62·3	66·1	66·8	59·2
March	73·4	66·7	70·7	63·8	69·2	71·4	65·4	71·0	68·7	70·4
April	77·6	69·4	76·6	68·7	73·4	76·7	75·9	73·9	75·5	73·4

Rainfall.

In the following Table is shown the rainfall by months during the several years from 1902 to 1911 :—

Table of Rainfall by Months during 1902-1911.

YEAR.	January to June.	July.	August.	September to December.	Total.
1902	9·77	16·96	16·53	28·71	71·97
1903	27·71	24·82	18·23	13·73	84·49
1904	15·19	10·14	5·72	2·37	33·42
1905	6·61	15·30	4·35	7·40	33·66
1906	13·35	18·10	20·91	3·94	56·30
1907	22·82	59·26	15·93	2·77	100·78
1908	15·41	21·13	9·67	7·33	53·54
1909	16·68	31·37	7·82	15·35	71·22
1910	23·95	7·42	16·89	19·60	67·86
1911	**10·95**	**15·89**	**16·90**	**2·77**	**46·51**

Rain fell on 92 days in all during 1911 against 104 days in 1910 : on 2 days in January and 2 days in May ; 18 in June, 24 in July and 30 in August ; on 15 days in September and 1 day in October. The maximum monthly rain fall was 30 inches in August against 23·92 in June in 1910. It will be noticed that the total rainfall of the year was the lowest since 1906.

Review of the year.

The Area of the City and Island is 22·55 square miles and the population according to the Census of 1911, 979,445.

Before proceeding to a detailed examination of the health of the population during the year, as indicated by the vital Statistics, it would be well to summarise the chief points which emerge from them.

During the year under report, the City was free from the incidence of any epidemic disease excepting Plague. Cholera, Small-pox and Measles were present in varying degrees during the earlier months, and the prevalence of Measles reached somewhat serious proportions.

Plague was epidemic from the week ending 4th February to that ending 1st July and caused during the year 4,006 deaths ; this represents an increase of 350 deaths over the mortality from the disease during 1910 (3,656) which was the lowest since the advent of Plague in the City.

Cholera caused 123 deaths during the year, of which 51 were in January and 20 in December.

Small-pox was prevalent during all the months, most so in March, and 105 deaths were registered from this cause in that month. During the year 443 deaths were registered from the disease, being a decrease of 565 below the figure for 1910.

Tubercle of Lungs and Tubercular Diseases registered 2,694 deaths, which is the lowest mortality from the disease in the history of the City.

The total number of deaths registered from all causes during the year was 34,961, the lowest recorded in any year since the appearance of Plague, excepting 1910, when it was 28 less. But the mortality would be lower than even in 1910, if the deaths that occurred in the City among new arrivals not belonging to it were excluded: as such deaths were more numerous than in 1910, being 640 against 578.

The death-rate per 1,000 of population according to the Census of 1911, works out to 35·69; but according to that of 1906 to 35·75 against 35·72 for 1910.

The number of *live* births registered during the year was 21,376, the highest ever recorded in the City; it is higher by 1,437 than the number for 1910. The birth-rate works out to 21·86 compared with 20·39 for 1910 on the population of 1906, but it is 21·82 calculated on the population of 1911.

Decennial Comparisons.

A study of the subjoined Table giving the Birth and Death Returns of the City during 1911 and those for the preceding decennium (1901-1910) with their averages will help, by comparison, to realise the improvement that has followed of recent years in the general health conditions.

TABLE OF BIRTHS AND DEATHS REGISTERED FROM PRINCIPAL CAUSES DURING 1901-1911.

Year.	Births.	Small-pox.	Measles.	Plague.	Fevers.	Cholera.	Diarrhœa and Dysentery.	Phthisis.	Tubercle of Lungs and other Tubercular Diseases (including Phthisis.)	Diseases of the Respiratory system.	All Causes.
1901 ..	13,520	159	67	18,736	9,481	198	3,716	6,516	7,089	7,804	59,495
1902 ...	17,599	288	642	13,820	5,169	75	3,643	3,957	4,595	7,250	48,414
1903 ...	16,375	1,477	1,115	20,788	2,500	17	2,760	2,842	3,468	7,101	50,513
1904 ...	19,756	568	229	13,538	2,530	219	2,784	2,971	3,548	7,339	42,676
1905 ...	19,141	2,161	620	14,198	2,878	26	3,391	2,558	3,183	9,103	47,762
1906 ...	20,769	276	936	10,823	4,882	1,241	4,778	3,567	4,052	11,731	52,874
1907 ...	19,535	86	107	6,389	3,633	439	3,489	2,877	3,440	9,022	38,687
1908 ...	20,166	1,026	659	5,361	3,408	95	3,184	2,887	3,023	8,954	38,271
1909 ...	19,839	473	75	5,197	2,800	727	2,585	2,415	2,862	7,974	34,878
1910 ...	19,939	1,008	184	3,656	3,113	107	3,352	2,282	2,839	8,212	34,939
Average (1901–1910)	18,643	752	462	11,250	4,038	314	3,368	3,237	3,809	8,449	44,850
1911 ...	21,376	443	652	4,006	3,146	123	3,075	2,078	2,694	8,640	34,961

Compared with the decennial average, it will be observed that the mortality from all causes shows a saving to the City of 9,889 lives.

The mortality from Measles, Fevers and Respiratory Diseases has been increasing since 1909; that from Small-pox was the lowest since 1908; that from Plague, though slightly higher than in 1910, was lower than in any other previous year; that from Diarrhœal Diseases, though higher than in 1909, was the lowest since 1905, while the mortality from Tuberculosis was the lowest recorded.

Under Plague is noticeable a diminution compared with the decennial average, of 7,244 deaths, of 1,115 under Tubercular Diseases, of 892 under Fevers, 309 under Small-pox, 293 under Diarrhœa and Dysentery and of 191 under Cholera.

The mortality from Respiratory Diseases exceeded the decennial average by 191 as did that from Measles by 1,910.

Comparison with 1910.

Compared with the health returns for 1910, those of the year under review show an increase of 468 deaths under Measles, 428 under the Respiratory Diseases, 350 under Plague, 33 under Fevers and 16 under Cholera: on the other hand, we notice a diminution of 565 deaths under Small-pox, 277 under Diarrhœa and Dysentery and of 145 under Tubercular Diseases.

Births and Birth-rate.

The number of *live* births registered during the year was 21,376, the highest on record, exceeding the figure for 1910 by 1,437 and the decennial average by 2,733.

The birth-rate, per 1,000 of population by the Census of 1906, was 21·86 against 20·39 in 1910; it works out to 21·82 according to the population of 1911.

Distributed according to sex, there were 10,881 male and 10,495 female births; the male births were therefore to the female births in the proportion of 1,036 to 1,000. The

respective birth-rates per 1,000 of sex population by the Census of 1906 were 17·75 and 28·76 against 16·79 and 26·44 in 1910; on the basis of the population of 1911, the rates work out to 16·99 for males and 30·94 for females.

Factors influencing the Birth-rate.

Apart from the variations in the physiological, social and economic conditions of the population, the chief factors that influence the birth-rate are the variations (1) in the proportion of women of conceptive ages, (2) in the age constitution of married women and (3) in the marriage -rate.

The crude birth-rate, that is, the birth-rate based on the population of births registered to the total population of all ages, takes no account of these factors. Hence the comparison of birth-rates should be based not only on the total number of population but also on the number of possible mothers.

Besides these factors common to every civilized community, there are others which are somewhat peculiar to this City.

I have pointed out in my previous Reports that the number of births registered does not represent the whole of the infant population of Bombay; for there is a considerable number of (1) children of mothers belonging to the City but born outside it and therefore not registered; (2) children who though born in the City escape registration.

Corrected number of Births.

During 1911, 5,208 of such children under 1 year of age were vaccinated primarily but a large number must have escaped vaccination either by death or postponement. It will be seen from Table 22 that 29·25 of the births registered are not vaccinated; it may therefore be assumed that 29·25 of the unregistered children are not vaccinated for the same reason, *viz.*, death or postponement. Thus the infant population of the City during the year works out as follows:—

Number of Births registered	21,376
Number of Births unregistered (of children under 1 year primarily vaccinated in Bombay)	5,208
Number of Births unregistered and which escaped vaccination (being 29·25 per cent.)	1,523
Total No. of Births ...	28,107

giving the birth-rate of 28·69 per 1,000 of population compared with 39·52, the birth-rate for the whole of India.

Measures to improve Registration.

Following the practice of this Department to remind the Pubilc, at intervals, of their statutory obligation to notify births, placards were posted throughout the City in the third quarter of the year, and printed copies of Sections 446 (1) and 449(1) of the Municipal Act and Vernacular translations of the same were distributed freely amongst the population; the notification was also published in the leading English and Vernacular Newspapers of the City.

Legal proceedings were also taken to further rouse the public to a sense of their responsibility; 13 prosecutions were instituted, out of which 8 resulted in conviction and levy of fine of the amount of Rs. 3 in one case, of Rs. 2 each in 4 cases, and of Re. 1 each in 3 cases; in the remaining 5 cases the parties were warned and discharged.

The result of multiple publication of the Sections of the Act and of these few prosecutions was that a very appreciable increase followed in the number of births notified by the public of their own accord.

Registered No. of Births and Birth-rates.

The following table gives the number of Births registered in the City and the Birth-rates per 1,000 of population during 1900 to 1911.

Year.	Population.	No. of Births registered.	Birth-rate per 1,000 of Population.
1900	8,21,764	12,688	15·43
1901	7,76,006	13,520	17·42
1902		17,599	22·67
1903		16,375	21·10
1904		19,556	25·20
1905		19,141	24·66
1906	9,77,822	20,769	21·24
1907		19,535	19·97
1908		20,166	20·62
1909		19,839	20·28
1910		19,939	20·39
1911		21,376	21·86
1911	9,79,445	21,376	21·82

It will be noticed that the Birth-rate exhibits considerable fluctuations during this period; these fluctuations are, however, inevitable in the case of the crude birth-rate which is based on the proportion of registered births to the total population at all ages, and hence takes no note of the changing constitution of a population in regard to sex, age and condition as to marriage. The crude birth-rate is therefore not adopted for comparisons extending over a long series of years. But it is fairly satisfactory when used for comparison from year to year, on the assumption that the sex and age constitution of a given population varies but little within a limited period.

It will be observed that since 1909 the number of births registered has steadily increased and the birth-rate has risen from 20·28 to 20·39 and to 21·86 during 1911; by the population of 1911, the rate is 21·82 in the year under report.

Births and Birth-rate by Sections.

In the statement that follows, the population by the census of 1906 of the different Sections constituting the City and the Birth-rates registered by them during 1910 on that population are given along with the population of 1911 and the birth-rates based thereon for the year under review.

The rates for 1910, an intercensal year, have been worked out on the population of 1906, on the assumption that the population of the several Sections continued, during succeeding years, the same as enumerated in that year. Though such an assumption is not free from error, discrepancies, on the other hand, are inseparable from the only other alternative of estimates based on previously recorded increases. The enumeration of 1911 reveals vast intersectional movements of population and therefore the errors that must inevitably occur in the rates based on the enumeration of 1906. Any comparisons of rates in these circumstances would subserve no useful purpose and are therefore not attempted in this Report.

TABLE OF BIRTH-RATES FOR THE DIFFERENT SECTIONS OF THE CITY FOR 1910 & 1911.

Ward	Sections.	Population by the Census of 1906.	Birth-rate for 1910.	Population by the Census of 1911.	Birth-rate for 1911.
A	Upper Colaba	3,775	24·37	1,557	50·73
	Middle and Lower Colaba	15,310	17·30	19,679	14·73
	Fort, Southern	3,944	4·56	3,462	6·06
	Fort, Northern	28,778	17·72	25,400	19·92
	Esplanade	11,015	14·25	17,761	11·20
B	Mandvi	38,158	11·26	33,202	13·85
	Chukla	29,362	17·26	24,231	23·11
	Umarkhadi	53,610	22·08	45,679	27·08
	Dongri	32,663	22·25	27,246	23·34
C	Market	35,305	8·29	30,172	12·99
	Dhobi Talao	36,594	20·54	38,684	21·79
	Fanaswadi	29,240	15·97	27,403	17·77
	Bhuleshwar	38,129	13·34	36,459	17·36
	Khara Talao	26,935	19·34	22,979	21·54
	Kumbharwada	32,784	15·92	27,703	21·33
D	Khetwadi	33,579	16·17	31,937	23·82
	Girgaum	28,449	18·34	30,779	21·89
	Chaupati	13,033	13·88	11,397	18·60
	Walkeshwar	12,685	13·00	10,640	21·42
	Mahalaksmi	24,650	19·51	26,302	20·72
E	Mazagon	30,872	22·35	30,075	24·83
	Tarwadi	26,278	28·69	28,424	31·31
	Second Nagpada	22,016	22·48	21,700	25·29
	Kamathipura	36,484	21·59	36,751	22·72
	Tardeo	28,193	22·84	27,758	24·02
	Byculla	76,280	35·30	75,348	35·10
	First Nagpada	3,335	37·18	6,414	18·70
F	Parel	46,960	22·16	45,474	24·21
	Sewri	15,985	26·14	19,067	22·23
	Sion	30,515	26·08	30,680	27·05
G	Mahim	31,178	26·94	30,492	29·67
	Worli	69,488	26·03	89,611	21·03
	Harbour, and Docks, Railways and Homeless	32,240	0·03	44,979	.....
	Total	977,822	20·39	979,445	21·82

The recorded birth-rate for the entire City is 21·82, and the Sections with appreciably lower rates are :—(1) Worli (21·03) which received during the intercensal quinquennium the largest addition of 20,123 to its population; (2) First Nagpada (18·70), Mahaluxmi (20·72), Chowpati (18·60), Fanaswadi (17·77), Bhuleshwar (17·36), Market (12·99), Mandvi (13·85) and the Sections of A Ward.

The highest birth-rate is registered for Upper Colaba (50·73), whose population, however, shows a decrease of 32 per cent.; the next highest is 35·10 for Byculla.

The lowest rate (6·06) was recorded, as in previous years, for Fort Southern, which is a purely business locality and not residential; the next lowest is 11·20 for Esplanade, whose population has increased by 6,746.

Births by Months.

The total number of births registered during the year under notice was 21,376; of these, the highest number (2,089) was registered in November, and the lowest (1,509) in May.

1,811 births were returned during January and 1,717 during March; the number then declined to 1,509 in May, and steadily rose again to 1,592 in June, 1,785 in August and to 2,089 in November; December registered 2,045 births.

MONTHS.	No. of births.
January	1,811
February	1,572
March	1,717
April	1,538
May	1,509
June	1,592
July	1,732
August	1,785
September	1,935
October	2,051
November	2,089
December	2,045
TOTAL ...	21,376

Birth-rate by Races.

The birth-rate registered for the whole population was 21·82 per 1,000 persons living, and was higher than in any previous year since 1906.

The highest rate recorded was 54·28 per 1,000 of *caste* population among the Lingait section of the Hindu community, the next highest being 53·08 for Hindus, low caste; the lowest among Hindus (7·88) was registered for Brahmins.

Taking, however, the Hindu communities as a whole, the birth-rate registered by them works out to 20·39. The highest birth-rate, as in previous years, was recorded among the Jews (31·68); next come Parsees with the birth-rate of 29·19, then Native Christians (25·70) and Mussalmans (24·03). The European birth-rate works out to 19·42 and the Eurasian to 22·20.

Compared with the birth-rates for 1910 based on the population of 1906, those for 1911 worked out on the enumeration of that year reveal a considerable advance in the case of every community excepting Jews, Native Christians, and Buddhists: these last, however, number less than 600.

TABLE OF BIRTH-RATES FOR THE DIFFERENT RACES OF THE CITY FOR 1910 AND 1911.

RACE OR CASTE.		Population by the Census of 1906.	Birth-rate for 1910.	Population by the Census of 1911.	Birth-rate for 1911.
Hindus.	Jains	705,154	18·58	20,460	16·71
	Brahmins			53,656	7·88
	Lingaits			1,179	54·28
	Bhatias			7,780	20·56
	Hindus of other Castes			547,192	18·44
	Hindus, Low Caste			54,235	53·38
Mussalmans (including Negro-Africans)		168,677	23·12	179,346	24·03
Parsees		48,824	28·44	50,931	29·19
Jews		5,367	46·20	6,597	31·68
Native Christians		30,223	31·92	41,273	25·70
Eurasians		3,911	18·66	4,188	22·20
Europeans		14,374	15·51	11,894	19·42
Buddhists		284	35·21	578	13·84
Other and Unknown Castes		8	1,000·0	136	95·98
	Total	977,822	20·39	979,445	21·82

Total Mortality and Death-Rate.

The total number of deaths registered from all causes during the year was 34,961—against 34,933 in 1910, and 34,878 in 1909—giving the death-rate of 35·6 per 1,000 of population by the Census of 1911—against 35·72 for 1910 and 35·66 for 1909 on the population of 1906.

The mortality was practically the same as in 1910 (34,933), when, with the exception of that for 1909, it was the lowest recorded since the appearance of Plague amongst us; but compared with the decennial mean of 1901-1910 shows a saving to the City of 9,889 lives.

Compared with 1910, there is a gratifying reduction of 565 deaths under Small-pox, of 277 under Diarrhœa and Dysentery and 204 under Phthisis. These decreases were, however, more than counterbalanced by increases of 468 under Measles, 350 under Plague and 428 under Respiratory Diseases.

The mortality from Measles (652) was rather unusually high—higher than in any year since 1901, except in 1903 and 1906 when it was respectively 1,115 and 936; it was practically the same as in 1908 (653).

Corrected Mortality.

The figure of 34,961, however, represents the gross mortality of the City; to ascertain the net mortality, it is necessary to exclude all deaths among persons newly arrived into the City and not belonging to it; and to include, on the other hand, all deaths among those who, belonging to it, died elsewhere; but in this connection it is impossible to do more than get at the number of such of these as died at the numerous outlying Sanatoria where they may have been for treatment and change of air.

Letters of enquiry were, as in the year preceding, addressed to the authorities in charge of such Institutions at (1) Deolali, (2) Nasik, (3) Lonavla, (4) Dumas (Surat), (5) Khandala, (6) Bandra, (7) Poona, (8) Coorla, (9) Dharampur (Simla Hills) and (10) to the Secretary, Panchgani Municipality. The replies received from nine of them show that only 5 persons belonging to this City died at those Institutions during 1911. The number of deaths among new arrivals not belonging to the City was 635.

The corrected number of deaths for the year, therefore, works out to (34,961+5—635) 34,331, giving the corrected ratio of 35·05 per 1,000 of persons living.

Mortality and Age-Group

The following Table of mortality is intended to show the proportional contribution to the total result under each age-group in the two sexes.

It will be noticed that in the year under review 19,526 deaths took place among male and 15,435 among female population of the City, against 19,371 male and 15,562 female deaths in 1910. The male death-rate works out to 30·49 and the female to 45·50 per 1,000 of *sex* population.

Female deaths will be found to exceed the male under the age-groups of 1-5 years, 5-10 years and under that of 60 years and above; while under all other age-groups the male deaths outnumber the female.

The highest percentage of deaths to the total mortality among the male (21·46 per cent.), the female (25·45 per cent.) as well as the entire population (23·22 per cent.) will be found to have occurred among infants, that is, in the group of under 1 year, the next highest among the population of either sex as well as all the inhabitants will be found in the group of 20—30 years (males 18·81; females 16·03; all 17·58 per cent.).

The smallest percentage of deaths took place among males (2·86) 5-10 years old; females (4·28) 10-15 years old; and taking the whole population, among those 5-10 years old (3·52).

TABLE OF PERCENTAGES TO THE TOTAL MORTALITY BY AGE-PERIOD IN 1909, 1910 AND 1911.

Age Period.	1909.		1910.		1911.					
					MALES.		FEMALES.		PERSONS.	
	Total Mortality.	Percentage.	Total Mortality.	Percentage.	No. of deaths.	Percentage.	No. of deaths.	Percentage.	No. of deaths.	Percentage.
Under 1 year... ...	8,050	23·02	8,253	23·62	4,191	21·46	3,929	25·45	8,120	23·22
1 to 5 years ...	2,972	8·52	4,001	11·45	2,075	10·62	2,152	13·94	4,227	12·09
5 to 10 „ ...	1,208	3·46	1,173	3·35	560	2·86	671	4·34	1,231	3·52
10 to 15 „ ...	1,573	4·51	1,358	3·88	721	3·69	662	4·28	1,383	3·95
15 to 20 „ ...	2,833	8·12	2,847	8·14	1,567	8·02	1,283	8·31	2,850	8·15
20 to 30 „ ...	6,328	18·14	5,930	16·97	3,674	18·81	2,475	16·03	6,149	17·58
30 to 40 „ ...	4,050	11·61	3,751	10·73	2,456	12·57	1,292	8·37	3,748	10·72
40 to 50 „ ...	2,664	7·63	2,601	7·44	1,631	8·35	745	4·82	2,376	6·79
50 to 60 „ ...	2,334	6·69	2,192	6·27	1,323	6·77	856	5·54	2,179	6·23
60 years and upwards.	2,874	8·24	2,815	8·06	1,315	6·73	1,368	8·86	2,683	7·67
Unspecified Ages ...	12	·03	12	0·03	13	0·06	2	·01	15	0·04
Total ...	34,878	100·0	34,933	100·0	19,526	100·0	15,435	100·0	34,961	100·0

Infant Mortality.

In reviewing the mortality of the year under different age-groups, we noticed that out of the total number of 34,961 deaths, 8,120 or 23·22 per cent. occurred among infants or children under 12 months of age; no other age-group presents such a heavy death-roll.

Contributory Causes of high Infant Mortality.

In previous Reports the agencies at work which are specially prejudicial to infant life have been so often enumerated that it is not necessary to repeat them here.

Measures taken.

This Department has been doing its best to combat most of the causes and conditions that imperil infant life.

Free Visiting Nurses and Midwives.

Its staff of ten Visiting Nurses and Midwives, attached to the ten Registration Districts into which the City has been divided, are engaged in daily visiting the houses of the very poor and ignorant, attending on as many confinements as they can, finding out new births, and enquiring into the condition of the mother and child.

Homely

The Visiting Nurses in their daily rounds give homely talks to the poor in their own homes or immediate neighbourhood and advise them generally in the care and up-bringing of children, on the essential importance of personal and domestic cleanliness, on the precaution

and measures that will ensure health to the mother and child, and warn them against the dangers of artificial feeding and the use of narcotics and generally against the influences prejudicial to infant life.

The poorer classes seem now to have become fairly familiar with the frequent visitations of our Nurses and are reported to evince considerable interest in listening to the instruction conveyed to them and in asking a Number of questions; they thus appear to appreciate the presence amongst them of our Nurses, who, in proportion to the popular confidence they win, will exercise a growing educative influence on the minds of the poor and ignorant women of the City.

k done by urses.

The following is a Statement, by no means elaborate or exhaustive, of the work done by the ten Nurses and Midwives during the year under report: there is much that cannot be compressed into statistics and can but inadequately be described within the limits of an Annual Report.

Summary of inquiries and of work of Municipal Nurses and Midwives.	1909.	1910.	1911.
Total Number of Births (including still-born) registered.	21,645	21,605	23,135
Percentage of still-births to the total Number of Births registered.	8·34	7·28	7·60
Number verified by the Nurses	13,677	12,762	13,578
Percentage of the Number verified to the total	63·1	59·3	58·7
Do. Confinements unattended	18·0	15·2	12·7
Do. do. attended by unskilled women.	58·3	59·6	60·7
Do. do. do. do. qualified Nurses (including Municipal).	11·3	12·0	13·2
Do. Confinements attended by the Municipal Nurses.	4·5	5·6	5·5
Do. Children born in Hospitals	12·3	13·2	13·2
Do. do. born in healthy condition	67·8	68·9	74·9
Do. do. fed on breast	64·9	59·8	69·7
Do. do. dying within 30 days...	12·3	11·8	11·5
Do. cases where the mothers left home for work.	31·3	27·9	34·4

An examination of the Statement will show that, of the total number of 23,135 births (including still-births) registered in the City, 13,578 or 58·7 per cent. were verified by the Visiting Nurses: the number verified, though slightly lower than in 1909, is higher than in any other previous year. 816 more births were verified than in 1910; but the percentage of verification is lower than in that year, due apparently to a large increase in the number of births registered.

The proportion of still-births has risen from 7·28 in 1910 to 7·60, but it is lower than in 1908 or 1909.

A very striking and satisfactory decline will be noticed to have steadily taken place in the proportion of births wholly unattended; from 31 per cent. in 1908 to 18 in 1909 and from 15·2 in 1910 to 12·7 per cent. in 1911; and while the percentage of confinements attended by unskilled women has steadily risen during these years, there has been, on the other hand, a concurrent increase in that of confinements attended by qualified nurses from 11·3 in 1909 to 13·2 in the year under review.

In spite of a large increase in the number of births registered of—2,630 over the figure for last year, the percentage of births in Hospitals has remained constant and the ratio of confinements attended by Municipal Nurses has nearly kept the same.

Proceeding further, a larger increase will be noticed in the proportion of children born in a healthy condition; this increase has moreover been steadily progressive from 53·5 in 1908 to 67·8 in 1909 and from 68·9 in 1910 to 74·9 in the year under notice. Also, the rise in the proportion of children fed on breast from 59·8 to 69·7 is encouraging, in spite of a sudden increase in that of mothers who left home for work leaving their child in others' care. It is worthy of note that the percentage of children dying within 30 days of birth, which fell from 15·2 in 1908 to 11·8 in 1910, further declined to 11·5 in the year under report.

Infant Mo... from Princip... Causes.

The subject of Infant Mortality may now be discussed in detail. The following Table classifies infantile deaths from principal causes under the three age-groups of 1-30 days, 1-6 months and 7-12 months; the corresponding figures for 1910 have been inserted for comparison :—

TABLE OF DEATHS AMONG INFANTS FROM PRINCIPAL CAUSES.

Age-Period.	Year.	Small-pox.	Measles.	Malaria.	Ague and Remittent Fever.	Diarrhœa and Dysentery.	Premature Birth.	Debility.	Nervous System.	Respiratory System.	All Causes.	Percentage of deaths in each age-period to total deaths under 1 year of age.
1 to 30 Days ...	1911	4	1	1	51	45	173	2,086	340	63	2,815	34·66
	1910	10	...	2	32	28	145	2,219	283	67	2,844	34·46
1 to 6 Months ...	1911	39	37	2	93	171	2	224	743	932	2,426	29·87
	1910	115	13	4	83	208	2	300	777	944	...	...
7 to 12 Months ...	1911	55	195	6	97	365	...	54	317	1,369	2,879	35·45
	1910	139	43	3	107	438	...	48	342	1,281	2,840	34·41
Total ...	1911	98	233	9	241	581	175	2,364	1,400	2,364	8,120	...
	1910	264	56	9	222	674	147	2,567	1,402	2,292	8,253	...

If we scrutinize the Statement, we shall find that compared with 1910 the number of infantile deaths in 1911 from Small-pox was lower by 166, from Diarrhœal Diseases by 93 and from Debility by 203; but the total result is a decrease of only 133 deaths under all causes; because, though the mortality from Malaria was the same (9), and from Nervous Diseases nearly so, and the increases were but slight under Ague and Remittent Fever and Immaturity at Birth (being of 19 and 28); the increase of 72 under Respiratory Diseases was considerable, while the high mortality from Measles was the real disturbing factor, as it stood at more than quadruple of that in 1910—233 against 56.

The highest percentage of deaths (35·45) is found to have taken place in the age-group of 7-12 months, chiefly from the Diseases of the Nervous (317) and Respiratory (1,369) Systems, from Diarrhœa and Dysentery (365) and also from Measles (195); the next highest (34·66) was recorded, among infants 1-30 days old, from Debility (2,086), Nervous Diseases (340) and Immaturity at birth. In both these groups, the percentage of deaths will be seen to have been higher than in the preceding year, while it was more than compensatingly lower in the intermediate group of 1-6 months.

The number of deaths from Puerperal Fever was 55 less than in 1910—being 339 against 394—and 68 less than the quinquennial mean of 1906—1910; while the deaths registered from the Diseases of the Generative System in females following parturition numbered 118 against 127 in 1910.

The above Statement may be subjected to further scrutiny with the following, which gives the percentage or proportion of mortality under each cause of death to the mortality from all causes among infants; the last column gives for Glasgow the percentages of infant deaths under each age-group to the total mortality in the three groups together, and as such serves as an interesting comparison with the preceding column of figures for this City:—

TABLE OF PERCENTAGES OF INFANT DEATHS FROM PRINCIPAL CAUSES IN 1911.

Age-Period.	Small-pox.	Measles.	Malaria.	Ague and Remittent Fever.	Diarrhœa and Dysentery.	Premature Birth.	Debility.	Nervous System.	Respiratory System.	All Causes.	Glasgow (1909) All Causes.
1 to 30 days	·14	·09	·03	1·81	1·59	6·14	74·10	12·07	2·23	34·66	34·74
1 to 6 months	1·60	1·52	·03	3·83	7·04	0·08	9·23	30·62	38·41	29·87	33·25
7 to 12 months	1·21	6·77	·20	3·36	12·67	...	1·87	11·01	47·55	35·45	31·99
Total ...	1·20	2·86	·11	2·96	7·15	2·15	29·11	17·24	29·11	...	.....

Scrutinizing the above Statement in the light of the preceding, we shall notice that out of 21,376 children registered as born — (i) 2,815 died within 30 days of birth, being 29 less than last year ; for a very large majority of these (2,086) or 74·1 against 2,219 or 78 in 1910 the cause of death given was Debility, that is want of vitality, immaturity at birth, wilful or ignorant neglect and the methods adopted by the unskilled or untrained women attending the labour ; (ii) 2,426 children, being 143 less than in 1910, died before attaining the age of six months, the cause of death, in the descending order of incidence, being 38·41 Diseases of the Respiratory System, 30·62 those of the Nervous System (Convulsions), 9·23 Debility, 7·04 Diarrhœa and Dysentery ; (iii) 2,879 of the Children, being 39 more than in 1910, died before attaining the age of 12 months, the cause of death being 47·55 Diseases of the Respiratory System, 12·67 Diarrhœa and Dysentery, 11·01 Diseases of the Nervous System (Convulsions).

It will be observed that of the total mortality under 1 year of age, more than 34 per cent. takes place in the first month of life and, further, that of the deaths at this early period of life, nearly three-fourths are due to Debility; in the second and third groups the highest number of deaths is associated with the Diseases of the Respiratory System. The next most fatal cause is Diseases of the Nervous System in the first and second groups and Diarrhœa and Dysentery in the third, all of which signify exposure and defective feeding.

Infant Mortality by Sections.

To facilitate discussion of the relative incidence of Infant Mortality in the different Sections constituting the City, the subjoined Table is provided in which is given the ratio of infant deaths occurring in each Section to the number of births registered in that particular Section. It may, however, be observed that this measurement of Infant Mortality by the number of births registered is not altogteher free from error, as it takes no note of the following facts:—the number of births registered is far short of the number actually occurring in the City or of infants belonging to it and fluctuates yearly, owing to the fact, among others, that the System of birth registration, though improving, is yet far from perfect ; that a considerable number of childern born in one Section die in another owing to change of residence which is not uncommon or infrequent owing, in a large measure, to the operations of the Improvement Trust. Such measurement of Infant Mortality does not therefore signify its actual extent :—

STATEMENT OF THE RATIO OF DEATHS AMONG CHILDREN UNDER 1 YEAR PER 1,000 OF BIRTHS IN EACH SECTION IN 1910 AND 1911.

Ward.	Sections.	1910.	1911.	Ward.	Sections.	1910.	1911.
A	Upper Colaba	250·0	227·8	E	Mazagon	457·9	372·1
	Middle and Lower Colaba.	377·3	337·9		Tarwadi	537·1	485·9
	Fort, Southern	333·3	285·7		Second Nagpada	561·6	402·5
	Fort, Northern	426·7	385·3		Kamatipura	512·6	419·1
	Esplanade	356·6	477·3		Tardeo	409·9	455·7
B	Mandvi	713·9	571·7		Byculla	299·2	290·3
	Chukla	504·9	500·0		First Nagpada	274·1	308·3
	Umarkhadi	408·7	406·6	F	Parel	368·8	357·8
	Dongri	459·4	492·1		Sewri	373·2	370·2
C	Market	651·8	510·2		Sion...	342·9	328·9
	Dhobi Talao	351·0	308·4	G	Mahim	301·1	272·9
	Fanaswadi	378·9	381·9		Worli	393·0	370·8
	Bhuleshwar	567·7	454·9				
	Khara Talao	493·2	468·6				
	Kumbharwada	528·7	468·6				
D	Khetwadi	406·9	299·6		Harbour and Docks ...	...	...
	Girgaum	436·7	373·8		Railways and Homeless		
	Chowpati	397·7	320·7		Total ...	413·9	379·8
	Walkeshwar	278·7	192·9				
	Mahalakshmi	303·5	344·9				

The rate of infant mortality for the entire City is 379·8 per 1,000 of births registered in 1911 against 413·9 in 1910 and 450 in 1908 ; and the Sections with a higher ratio are Fort Northern (385·3), all the Sections of B Ward, Mandvi (571·7), Chukla (500), Umerkhadi (406·6), Dongri (492·1), all the Sections of C Ward with the exception of Dhobitalao (308·4), Tarwadi (485·9), Second Nagpada (402·5), Kamatipura (419·1), Tardeo (455·7). These Sections, with the exception of Fort Northern, are among those with which a high rate of mortality is generally associated, being largely inhabited by the poorer and ignorant classes living in insanitary surroundings and ill-lit and ill-ventilated houses.

Mandvi registered the highest rate (571·7) and Walkeshwar the lowest (192·9),

Infant by Races.

The following Table gives the death-rate, among infants of the several races of the population, calculated per 1,000 of births registered *in the race or caste;* the number of births and of deaths under one year are inserted and the corresponding figures for 1910 added for comparison :—

	RACE OR CASTE.	1910.			1911.		
		Deaths under 1 year.	Number of Births registered.	Infant mortality per 1,000 of Births *in the caste.*	Deaths under 1 year.	Number of Births registered.	Infant mortality per 1,000 of Births *in the caste.*
Hindus.	Jains	204	233	875·5	326	342	953·2
	Brahmins	274	340	805·8	270	423	638·2
	Lingaits	43	30	1,433·3	27	64	421·8
	Bhatias	66	122	540·9	70	160	437·5
	Hindus of other Castes ...	3,852	9,526	404·3	3,817	10,095	378·1
	Hindus, Low Caste ...	1,220	2,871	424·9	1,174	2,879	407·7
	Mussalmans	1,721	3,896	441·7	1,672	4,303	388·5
	Parsees	302	1,389	271·4	277	1,487	186·2
	Jews	52	248	209·6	33	209	157·8
	Native Christians	417	965	432·1	365	1,061	344·0
	Eurasians...	29	73	397·2	27	93	290·3
	Europeans	51	223	228·6	40	231	173·1
	Negro-Africans	4	5	800·0	3	8	375·0
	Buddhists	2	10	200·0	1	8	125·0
	Other and unknown Castes	16	8	2,000·0	18	13	1,384·6
	Total ...	8,253	19,939	413·9	8,120	21,376	379·8

If we examine the Statement, we shall notice that with the exception of Jains, every other community exhibits a very striking improvement in the incidence of infant mortality calculated on the number of births registered among them ; the most notable is that among Lingaits (from 1,433·3 in 1910 to 421·8 in 1911) who number, however, less than 2,000. Among Jains the death-rate rose from 875·5 to 953·2.

The highest death-rate (953·2) was registered among Jains and the lowest (157·89) among Jews, ignoring the communities that are numerically negligible portions of the population. In the ascending order of incidence, after Jews come Europeans (173·1), Parsees (186·2) Eurasians (290·3) and Native Christians (344) ; then "Hindus of other Castes" (378·1) and Mussalmans (388·5).

Infant Mortality by Months.

The following Statement exhibits the monthly variations of infant mortality during the year under report ; three columns have been inserted giving the number of deaths from the three most fatal causes of death among children, as they serve to explain the monthly fluctuations and their extent.

From an examination of the Table, it will be found that infant mortality commenced with 652 in January and reached in March the second highest figure of the year (780). This rise is to be accounted for partly by the fact that the mortality from Respiratory Diseases rose high in these months, reaching the maximum of 272 in March ; and by the fact of the prevalence of Measles, which registered 37 deaths among infants in January, 53 in February and the maximum of 73 in March and considerably helped to swell it. In April it was almost on a level with that in 1910. Then it decreased during May and June to 565 and rose again to 711 in July, then fell to 603 in September and finally registered the maximum of 820 in December.

During the first quarter infant mortality was higher month for month than in 1910, with a total increase of 137 deaths. The second and third quarters registered 122 and 393 deaths

less than in the year preceding; while the fourth quarter, with the top mortality of 820 in December, recorded an increase of 245 deaths :—

MONTHS.	1911.						1910.
	Debility.	Nervous Diseases.	Respiratory Diseases.	All Causes.			All Causes.
				Males.	Females.	Total.	
January	193	126	169	348	304	652	645
February	161	125	215	349	318	667	553
March	167	122	272	416	364	780	764
April	166	117	212	347	355	702	701
May	158	129	191	326	324	650	693
June	171	92	156	291	274	565	645
July	182	110	217	349	362	711	908
August	219	104	183	354	316	670	782
September	226	107	163	301	302	603	687
October	237	122	174	352	304	656	678
November	223	110	175	332	312	644	576
December	261	136	237	426	394	820	621
Total	2,364	1,400	2,364	4,191	3,929	8,120	8,253

Corrected Infant Mortality.

Infant mortality has been calculated above on the number of births actually registered; but for a correct estimate, it should be calculated on the corrected number of births so as to include infants who may have died during the year without their births being registered. The corrected number of births for 1911 has been shown to be 28,107 and gives an infant mortality of 288·8 per 1,000 of such births against 304 in 1910.

Mortality in Hospitals.

The number of deaths that occurred in Hospitals during the year was 3,279 against 3,394 in 1910, and the proportion thereof to the total mortality was 9·37 against 9·71.

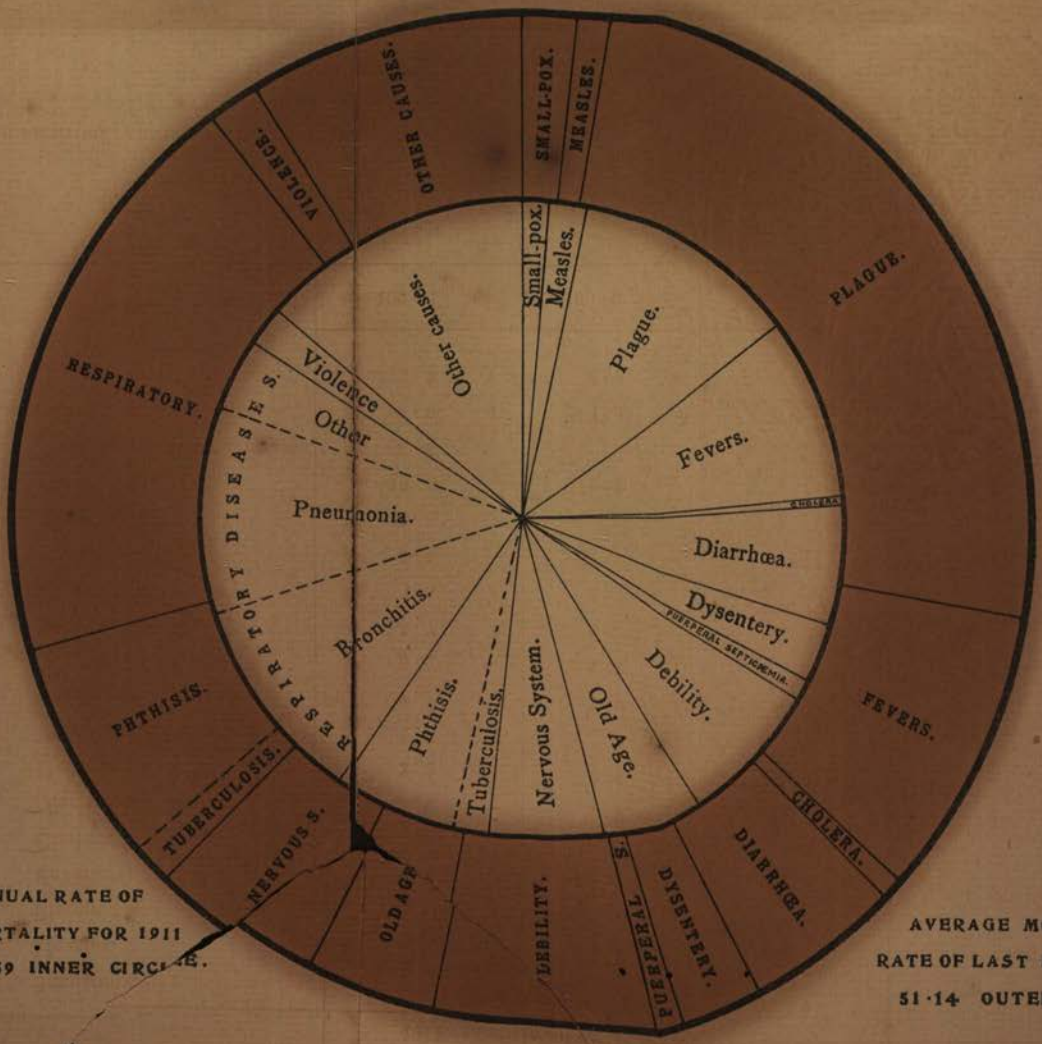
The Statement which follows compares deaths in Hospitals from various diseases during 1911 and 1910; as also their proportion to the total mortality of the respective years :—

Causes of Death.	1910.		1911.	
	Hospital Deaths.	Total Mortality.	Hospital Deaths.	Total Mortality.
Still-birth	247	1,566	302	1,759
Small-pox	241	1,008	86	443
Measles	13	184	8	652
Plague	377	3,656	469	4,006
Fevers	261	3,113	212	3,146
Cholera	14	107	20	123
Diarrhœa and Dysentery	386	3,352	388	3,075
Puerperal Septicæmia	9	394	17	339
Leprosy	58	72	68	88
Premature Birth	94	147	114	175
Other General Diseases	557	7,573	447	7,329
Diseases of the Nervous System	97	2,003	85	2,006
,, ,, Circulatory System	58	316	72	351
Phthisis	200	2,282	282	2,078
Other Diseases of the Respiratory System	449	8,212	469	8,640
Diseases of the Digestive System	213	1,173	226	1,205
,, ,, Urinary System	86	314	70	300
,, ,, Generative System	29	145	30	138
Other Local Diseases	63	146	50	133
Injuries	189	701	165	702
Unspecified Causes	...	35	1	32
Total (except Still-born)	3,394	34,933	3,279	34,961
Percentage to the Total Mortality	9·71	...	9·37	...

DIAGRAM

Showing Percentages of Deaths from Principal Causes to Total Mortality of 1911 with their corresponding Averages of the last 10 years (1901 to 1910).

(The space between the inner and outer circles represents the difference between the Mortality Rate of 1911 and the average of the last 10 years 1901-1910).



ANNUAL RATE OF MORTALITY FOR 1911 35·69 INNER CIRCLE.

AVERAGE MORTALITY RATE OF LAST 10 YEARS 51·14 OUTER CIRCLE.

	Percentage to the Total Mortality.		Death-rate per 1000 of Poplation.	
	1911.	Mean of last 10 years.	1911.	Mean of last 10 years.
Small-pox.	1.3	1·7	·45	·76
Measles.	1.9	1·0	·66	·52
Plague.	11.4	25·1	4·09	12·82
Fevers.	8.0	9·0	3·21	4·60
Cholera.	.3	·7	·12	·35
Diarrhœa.	5.9	4·9	2·12	2·51
Dysentery.	2.9	2·6	1·01	1·32
Puerperal septicæmia.	1.0	·9	·34	·46
Debility.	7.1	7·0	2·52	·57
Old Age.	5·2	4·2	1·84	2·15
Nervous System.	5·7	5·1	2·04	2·61
Tuberculosis.	1·8	1·3	·62	·65
Phthisis.	5·9	7·2	2·12	3·69
Bronchitis.	10·6		3·79	
Pneumonia.	10·5	18·8	3·74	9·63
Other Respiratory Diseases.	3·6		1·27	
Accidents & Violence.	2·0	1·6	·71	·79
Other causes.	13·9	8·9	4·95	4·54
Total.	100·0	100·0	35·69	51·14

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Principal Causes of Death.

In discussing the principal causes of death and their contribution to total mortality, the Diseases of the Respiratory System and Plague will be found to rank comparatively very large in the death-roll of the City, as they together caused 12,646 or more than 36 per cent. of the total number of deaths during the year; taken separately, Plague caused 4,006 deaths or 11·4 of the total number, and Respiratory Diseases occasioned more than double the mortality from Plague or 24·7 of the total.

Compared with the preceding year, we see from the Table that the mortality from the Diseases of the Nervous System remained constant (2·04), as did that due to Violence or Accidents (·71); while that from Small-pox fell from 1·03 to ·45, that from Phthisis from 2·33 to 2·12, that from Diarrhœa from 2·20 to 2·12, while that from Dysentery declined from 1·22 to 1·01; and that the mortality from every other of the causes specified in the Statement was higher than in the preceding year—the maximum increase being of ·43 under Respiratory Diseases and the next largest of ·36 under Plague. Small-pox did not attain epidemic proportions which it did in 1910—and hence there were 565 deaths fewer from the disease in the year under notice.

Comparison with the decennium—1901—1910.

Compared, however, with the average rates of mortality for 1901—1910, a very striking shrinkage of rates is discernible during 1911, except in the case of Measles; taking, for example, the most fatal causes of death, we observe the death-rate declined during the decennium from 12·82 to 4·09 in case of Plague, and from 9·63 to 8·82 and from 4·60 to 3·21 in case of Respiratory Diseases and Fevers respectively.

TABLE OF DEATHS AND DEATH-RATES FROM SOME OF THE PRINCIPAL CAUSES OF DEATH IN 1911 COMPARED WITH THOSE IN 1910 AND THE AVERAGE OF THE PRECEDING 10 YEARS.

	1910.		1911.		Average of 10 years 1901 to 1910.	
	Number of Deaths registered.	Rate of Mortality per 1,000 of Population.	Number of Deaths registered.	Rate of Mortality per 1,000 of Population.	Number of Deaths registered.	Rate of Mortality per 1,000 of Population.
Small-pox	1,008	1·03	443	·45	752	·76
Measles	184	·18	652	·66	462	·52
Fevers (including Scarlet, Enteric, Malaria, Ague, Remittent and Relapsing).	3,113	3·18	3,146	3·21	4,038	4·60
Cholera	107	·10	123	·12	314	·35
Plague	3,656	3·73	4,006	4·09	11,250	12·82
Phthisis	2,282	2·33	2,078	2·12	3,237	3·69
Diseases of the Nervous System ...	2,003	2·04	2,006	2·04	2,289	2·61
„ „ Respiratory System	8,212	8·39	8,640	8·82	8,449	9·63
Diarrhœa	2,155	2·20	2,078	2·12	2,202	2·51
Dysentery	1,197	1·22	997	1·01	1,165	1·32
Accidents	701	·71	702	·71	698	·79
All other causes (except still-born).	10,315	10·54	10,090	10·20	9,994	11·39
Total ...	34,933	35·72	34,961	35·69	44,850	51·14

The steady decline in the mortality from the principal Zymotic diseases, which had followed since 1905, received a slight check in the year under report, with the result that

increase of 48 deaths over the figure for 1910 was recorded, the corresponding rise in the death-rate being from 9·89 to 9·92.

	Number of Deaths registered.			
	1910.	1911.	Average of the last three years (1908—1911).	Average of the last ten years (1901—1910).
Small-pox	1,008	443	835	752
Measles	184	652	304	462
Plague	3,656	4,006	4,738	11,250
Enteric Fever	156	145	119	4,038
Malarial Fever	293	334	305	
Ague and Remittent Fever	2,630	2,657	2,562	
Relapsing Fever	34	10	127	
Influenza	3	9	1	2
Whooping Cough	11	5	11	32
Diphtheria	2	3	1	2
Cholera	107	123	309	314
Dysentery	1,197	997	1,122	1,165
Puerperal Septicæmia	394	339	372	411
Total ...	9,675	9,723	10,806	18,428
Death-rate per 1,000 of population ...	9·89	9·92	11·05	21·01

An examination of the above Table will show that, compared with the preceding year, there was a decrease of 565 deaths under Small-pox, of 200 under Dysentery, 55 under Puerperal Septicæmia, 24 under Relapsing Fever, and of 11 under Enteric; which was, however, overbalanced by the increase of 468 deaths under Measles, 350 under Plague, 41 under Malarial Fever, 27 under Ague and Remittent Fever and of 16 under Cholera.

Comparison with triennial and decennial averages.

But it is interesting to note a reduction of 1,083 deaths below the triennial average; while compared with the average annual mortality during the preceding decennium, Zymotic mortality declined more than 47 per cent., from 18,428 to 9,723, resulting in a saving to the City of 8,705 lives.

Mortality by Races.

Before proceeding to discuss the relative mortality among different races during the year under review, it is desirable to indicate the changes in their numerical strength which have occurred during the intercensal years (1906—1911).

Changes in Caste population.

The Census of 1911 shows a decrease of 21,652 in the Hindu population of the City and of 2,480 in the European; every other community has recorded an increase: Mussalmans of 10,669, Parsees 2,107, Jews of 1,230, Native Christians of 11,050, Eurasians of 277, while Buddhist have more than doubled with an increase of 294.

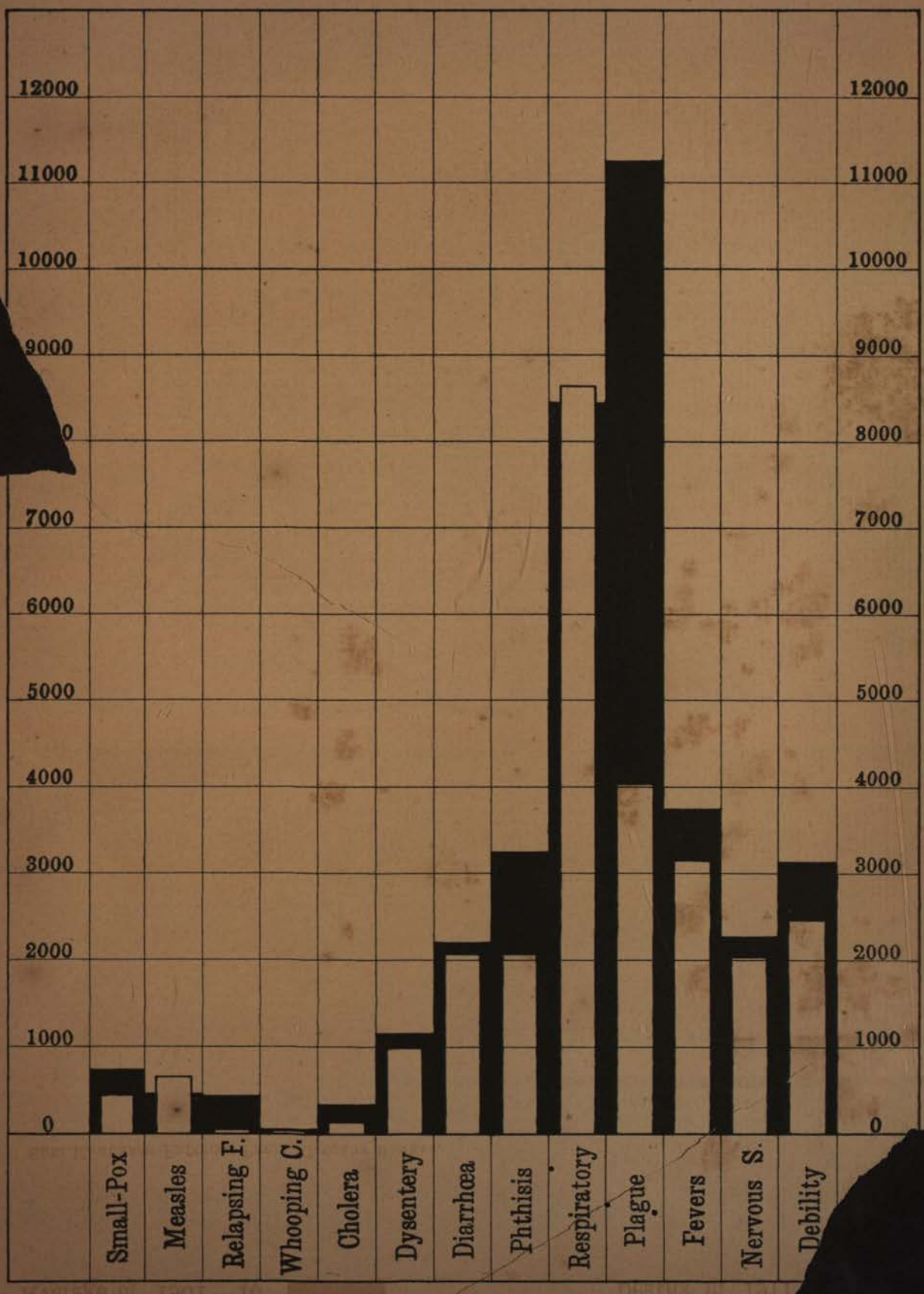
In the Statement that follows these increases have been shown and the death-rates for the year under notice calculated also on the populations by the Census of 1906 in order to indicate the improvement on the rates of 1910.

An examination of the Table will be found to reveal two encouraging features:—

(*i*) With the exception of Hindus and Europeans, every other community exhibits a striking reduction in the death-rate, even though the large additions to their numerical strength be ignored; (*ii*) with the single exception of Mussalmans, every other community registered a rate much lower than the general death-rate of the City (35·69).

DIAGRAM

Number of Deaths from the Zymotic and other Death Causes in 1911 compared with their Average of the preceding 10 years.



Average of 1901—10

Deaths in 1911

Shri Karunesh Printing Press, Girgaon Bombay.

Buddhists, who, though they have more than doubled in numbers, are yet the smallest community, returned the lowest death-rate (13·84); and next to them, Europeans (20·68); and though the Mussalman rate was the highest in the year (46·39), it is still a very appreciable improvement on that of the preceding year (51·10), and moreover the lowest recorded among the community.

Table 30 appended at the end throws valuable explanatory light on communal mortality. Turning to it we shall notice that certain diseases are most fatal to Mussalmans, the recorded death-rates from these being the highest among them—Phthisis 3·86, Respiratory Diseases 12·17 Nervous Diseases 3·61—the proportion of deaths from Fevers is higher than in any community except Native Christians (3·40), the reason being, as pointed out in my previous Report, the great density of population in the principal Mahomedan localities and the ill-lighted and ill-ventilated condition of their houses, as also the social custom of the Purdah which deprives their women of the benefits of open air and sunlight as is evidenced by the much higher mortality among females from Phthisis, being 401 against 251 among males.

TABLE SHOWING BY CASTE THE POPULATION BY THE CENSUS OF 1906 AND 1911, THE NUMBER OF DEATHS AND THE DEATH-RATE FROM ALL CAUSES IN 1910 AND 1911 AND THE AVERAGE OF THE PRECEDING 10 YEARS (1901—1910.)

Race or Caste.	1910.			1911.				Average of last ten years (1901-1910).	
	Population by the Census of 1906.	Number of Deaths.	Rate of Mortality per 1,000 of Population. Census of 1906.	Population by the Census of 1911.	Number of Deaths.	Rate of Mortality per 1,000 of Population by the Census of		Number of Deaths.	Rate of Mortality per 1,000 of Population.
						1906.	1911.		
Jains	706,154	22,891	32·41	20,460	1,438	33·13	70·28	31,959	52·00
Brahmins				53,656	1,265		23·57		
Lingaits				1,179	114		96·69		
Bhatias				7,780	270		34·70		
Hindus of other Castes.				547,192	16,570		30·28		
Hindus, Low Caste ...				54,285	3,740		68·95		
Mussalmans (including Negro Africans)	168,677	8,620	51·10	179,346	8,321	49·33	46·39	9,526	58·72
Parsees	48,824	1,333	27·30	50,931	1,242	25·43	24·38	1,346	28·32
Jews	5,367	195	36·33	6 597	178	33·16	26·98	194	36·18
Native Christians	30,223	1,473	48·73	41,273	1,426	47 18	34·55	1,452	48·50
Eurasians	3,911	127	32·47	4,188	121	30 93	28·89	125	34·87
Europeans	14,374	266	18·50	11,894	246	17·11	20·68	223	16·73
Buddhists	284	9	31·69	578	8	28·16	13·84	11	32·44
Other and unknown Castes.	8	19	.....	136	22	...	...	14	.....
Total ...	977,822	34,933	35·72	979,445	34,961	35·75	35·69	44,850	51·14

Native Christians registered, as in previous years, the next highest death-rate of 34·55. This may be explained to a large extent by the fact that an outbreak of Small-pox proves exceptionally fatal to them, as they seek no immunity from it by vaccination in infancy; the ratio of deaths from the disease is accordingly always the highest among them; it was 1·47 in 1911. There are other diseases also from which they suffer in a high degree, as is evidenced by the proportion of deaths under Fevers (3·80), Respiratory Diseases (5·33), Plague (3·97) and Diarrhœal Diseases (2·90).

The Hindu death-rate, which was steadily declining since 1906, rose to 34·18 in 1911; they suffered more than any other community from Measles (3·21), Plague (4·69) and in a high proportion from Fevers (3·21) and Respiratory Diseases (8·67).

Among Hindus, Brahmins who number 53,656 registered the lowest death-rate (23·57), and "Hindus of other castes", who number more than half the population of the City (547,192), returned the next lowest (30·28).

The increase in the death-rate of Europeans, compared with 1910, is only specious, being due to a decrease of over 17 per cent. in their population, for calculated on the population of 1906, it is lower (17·11) than in 1910 (18·50). Nevertheless, they recorded, as usual, the lowest death-rate in the City (20·68); the most fatal causes of death amongst them were Fevers (3·19), especially Enteric (1·76), Diarrhœa (1·76), and Dysentery (1·34).

Parsees returned the next lowest death-rate (24·38); their highest contributions to mortality are under Respiratory Diseases (3·76) and Fevers (2·25).

Eurasians come next with the death-rate of (28·29); they appear to have suffered most from Respiratory Diseases (3·82), Diarrhœal Diseases (2·86) and Fevers (2·38), especially Enteric (1·19), next only to Europeans.

If the general death-rates for 1911 and the preceding ten years be compared with the aid of the last column, we notice that a reduction of 15·45 has followed in the death-rate, which, if expressed in numbers, will show a saving to the City of 9,889 lives.

Mortality by Months.

The monthly fluctuations in the mortality of the City are indicated in the following Statement, from an examination of which it will be seen that, month for month, the mortality was higher in 1911 than in 1910 during the first four months of the year, and then lower for every succeeding month, until in December it exceeded the figure in 1910 by 263.

February, March and April were the most fatal months in the year, April registering the maximum number of deaths (4,105). The mortality then fell to 3,288 in May and, reaching the monthly minimum of 2,105 in June, was almost constant during July (2,406) and August (2,404); it then declined to 2,363 in September, rose again to 2,494 in October and with a slight downward trend in November (2,409) recorded the final figure of 3,025 for December.

February, March and April are among the unhealthiest months of the year when Plague, Small-pox and Cholera are generally at their worst and the mortality from the Respiratory Diseases is at its highest. In the year under review, however, there was very little of Cholera except in January, when 51 deaths, being more than 41 per cent. of the total mortality from the disease, were registered.

TABLE OF DEATHS FROM ALL CAUSES (EXCLUSIVE OF STILL-BORN) BY MONTHS IN 1910 AND 1911.

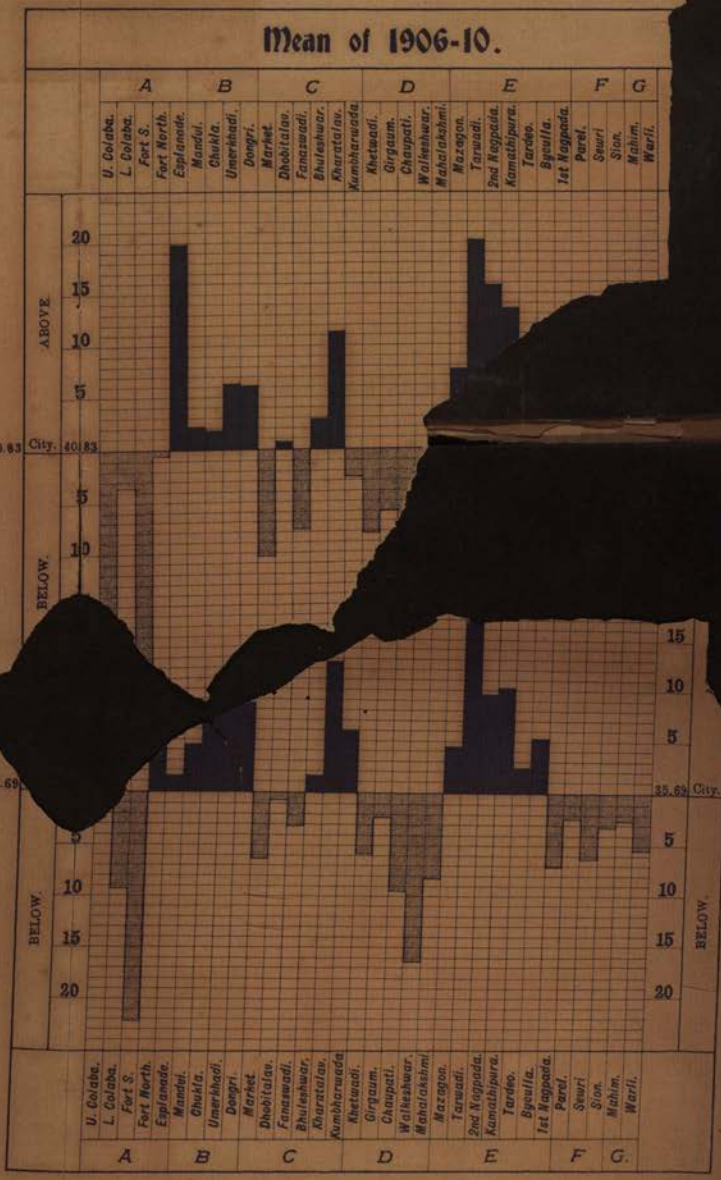
MONTHS.	Number of deaths in 1910.	Number of deaths in 1911.
January	2,727	3,060
February	2,815	3,355
March	3,718	3,947
April	3,638	4,105
May	3,358	3,288
June	2,500	2,105
July	3,063	2,406
August	2,817	2,404
September	2,511	2,363
October	2,556	2,494
November	2,468	2,409
December	2,762	3,025
TOTAL...	34,953	34,961

DIAGRAM

GENERAL DEATH-RAT

Including Plague

in the City of Bombay.



Shri Karunesh Printing Press, Girgaon Bombay.

The high mortality of February, March and April is to be explained by (i) the epidemic prevalence of Plague, from the week ending 4th February to that ending 1st July, which contributed respectively 386, 872 and 1,296 (the highest monthly figure) deaths during the months, and (ii) the concurrently high incidence of mortality from Small-pox, Measles and the Diseases of the Respiratory System.

Measles prevailed with unusual severity during these months and contributed 155, 188 and 97 deaths; and Small-pox added 45, 105, and 92 deaths; while the contributions of the Respiratory Diseases were enormous and numbered 957, 987 and 792 deaths respectively.

The comparatively high figure for May (3,288), in spite of a drop of 817 deaths in the figure for April, is to be accounted for by the fact that Plague was still very bad and contributed 800 deaths, that Small-pox had not quite abated (82) and the mortality from Respiratory Diseases still stood at 686.

In June the lowest mortality (2,105) was recorded. Then followed a sudden increase of 391 in July, owing mainly to a rise of 113 in the number of deaths from Respiratory Diseases and of 141 in that from Diarrhœal Diseases. The mortality for October exceeded that during September by 131, owing to an increase of 74 in the number of deaths from Fevers and of 76 in that from Respiratory Diseases.

During December both Fevers and Diarrhœal Diseases recorded the maximum mortality of 344 and 315 deaths respectively, while under Respiratory Diseases was registered (811) an increase, owing to the setting in of the cold season, of 178 over the figure for November; these factors combined to swell the mortality during December to 3,025.

Famine Refugees.

It must also be mentioned that during the latter months of the year, there was an increasing influx of people into the City: refugees from the famine-stricken districts of Gujerat and Kathiawar, estimated to number over 1,400 in search of food and shelter, many of them living by begging and almost all of them under insanitary conditions.

The Royal Visit.

But the largest additions to the population occurred in November and the earlier weeks of December, when owing to the Royal Visit and the functions connected with it enormous crowds of many thousands poured into the City from the mofussil; also several Regiments, both European and Native, arrived with their followers and were stationed in Bombay. The result was that during all this period the City was overcrowded to an extent, perhaps, never before approached in its history.

Nevertheless, the conditions of Public Health, it is gratifying to record, kept at almost their normal level and gave no cause for anxiety.

Mortality by Sections.

The general death-rate for the entire City is 35·69 against 35·72 in 1910; the Sections of the City that exhibit a higher rate are Upper Colaba (59·73), Fort North (42·59) and Esplanade (37·16) in A Ward; and all the Sections of B Ward, namely, Mandvi (40·23), Chukla (47), Umerkhadi (49·27), Dongri (44·33); Bhuleshwar (37·27), Kharatalao (48·52) and Kumbharwada (41·69) in C Ward; all the Sections of E Ward with the single exception of 1st Nagpada (28·68), which has largely been rebuilt owing to the operations of the City Improvement Trust, namely, Mazagaon (40·16), Tarwadi (54·39), 2nd Nagpada (45·34), Kamathipura (45·79), Tardeo (38·11) and Byculla (41·02). The whole of D, F and G Wards recorded death-rates lower than the general rate of the City.

The highest death-rate registered was 59·73 by Upper Colaba, and the next highest 54·39 by Tarwadi, which contains the Sir J. J., Bai Motlabai and D. M. Petit, Maratha and St. Joseph Foundling Hospitals.

The lowest rate was returned by Fort North (13·57), which is mostly a business locality and not residential; the next lowest was by Walkeshwar (19·36).

Mortality by Place of Birth.

Of the total number of 34,961 deaths in the entire population during the year, 44·7 per cent. or 15,640 deaths were among persons born in Bombay, 51·3 or 17,938 were among those born outside it and 3·9 or 1,383 were of persons whose birth-place could not be ascertained.

Plague.

The progressive decline in the mortality from Plague, which was uninterrupted since 1905, continued down to 1910, when the lowest number of deaths from the disease (3,656) was recorded; during the year under report, however, this record was broken by an increase of 350 deaths, so that the outbreak of 1911 was less fatal than that of every other year.

4,006 deaths from Plague were registered during the year, equivalent to the death-rate of 4·09 per 1,000 persons living.

The number of Plague seizures during the year was 4,[illegible] living and over the seizures in 1910, and, though the number of deaths from [illegible] compared with that in the earlier years of Plague, the case mortality [illegible]

will be observed from an examination of the following Statement, is next only to that of the most fatal years in the history of the disease, namely, 1901 and 1903, when the rates recorded were 89·19 and 89·05, representing 18,736 and 20,788 deaths respectively.

This excessive fatality accompanying lessened prevalence is worth noting as indicating a high degree of virulence of the disease though under greater control.

TABLE SHOWING THE NUMBER OF ATTACKS AND DEATHS FROM PLAGUE SINCE 1896 AND THE TOTAL MORTALITY EXCLUDING STILL-BORN SINCE 1891.

	Number of Plague Attacks.	Number of Plague Deaths.	Death-rate from Plague per 1,000 of Population.	Percentage of Deaths to Attacks.	Number of Deaths from all causes (exclusive of Still-born).	Total Death-rate per 1,000 of Population.
1891	...	...	...	...	23,847	29·01
1892	...	...	...	...	26,519	32·26
1893	...	...	...	...	23,142	28·16
1894	...	...	...	...	27,330	33·25
1895	...	...	...	...	25,081	30·52
1896	2,544	1,936	2·36	76·10	33,451	40·71
1897	...	...	...	..	13,314	11,003	13·39	82·64	47,896	58·28
1898	22,130	18,185	22·12	82·17	51,961	63·23
1899	...	...	...	...	19,451	15,796	19·22	81·20	56,434	68·07
1900	17,913	13,285	16·16	74·16	79,350	96·55
1901	...	...	...	...	21,006	18,736	24·14	89·19	59,495	76·66
1902	16,423	13,820	17·80	84·15	48,414	62·38
1903	...	...	...	...	23,344	20,788	26·78	89·05	50,513	65·09
1904	15,488	13,538	17·44	87·40	42,676	54·99
1905	...	...	...	...	16,308	14,198	18·29	87·06	47,762	61·54
1906	12,323	10,823	11·06	87·82	52,874	54·07
1907	...	...	...	...	7,353	6,389	6·53	86·88	38,687	39·56
1908	6,134	5,361	5·48	87·39	38,271	39·13
1909	...	...	...	...	5,864	5,197	5·31	88·62	34,878	35·66
1910	4,130	3,656	3·73	88·52	34,933	35·72
1911	4,503	4,006	4·09	88·96	34,961	35·69

Plague by Races.

Of the total number of 4,006 Plague deaths during the year, 3,215 were registered among all classes of Hindus together against 3,028 in 1910; while Mussalmans (including Negro-Africans) contributed 521 against 419 in the year preceding; Native Christians 164 against 110 and Parsees 90 against 80; the small balance of 16 sums up the deaths among Jews (6), Eurasians (5), Europeans (3) and Buddhists (2).

As usual, Hindus paid the highest toll to Plague and registered the death-rate of 4·69; next to them Native Christians among whom the death-rate was 3·97; then follow Buddhists (3·46), who are however a small number (578); the Mussalmans (2·90); then Parsees (1·76); the European rate, as usual, was the lowest (·25 representing 3 deaths); and the Eurasian the next lowest (1·19 representing 5 deaths.)

Plague by Sex and Age.

Of 4,006 Plague deaths, 2,830 were among males and 1,176 among females; the proportion of deaths per 1,000 of sex population being respectively 4·41 and 3·46.

The disease was most fatal to persons between 10 and 30 years of age and caused 2,624 or more than 65 per cent. of the deaths, 1,925 of these being among males and 699 among females.

Among infants or children under 1 year of age, there was only 1 death. In the age-groups of 1—10 years there were 198 male deaths and 202 female, while in the population aged [illegible]rs and more, 91 men and 42 women died from Plague.

[illegible]neral death-[illegible]from Plague for the whole City was 4·09 for the year under review, [illegible]her th[illegible]910; and the Sections that recorded a higher rate were;— in A [illegible] Middle and Lower Colaba (5·23), Fort Northern (5·07); in [illegible]ongri (4·58); in C Ward, Dhobitalao (5·14); Fanaswadi (5·10);

Kharatalao (5·65), and Kumbharwada (5·41); in E Ward, Mazagaon (6·45), Tarwadi (4·99); Byculla (4·69); in F Ward, Parel (5·15); Sewri (4·35); in G Ward, both the Sections of Mahim (5·11) and Worli (5·28).

All the Sections of D Ward registered a lower rate; and the lowest death-rate from the disease (1·31) was returned by Walkeshwar in the same Ward, while the highest (6·45) was recorded by Mazagaon in E Ward.

In the Statement that follows, the rates for 1910 are given as usual, as also the average rates for the preceding quinquennium (1906-1910); but any comparison of the rates for the year under review with these would not be free from error, as these latter, based on the population of 1906, take no note of variations which have followed during intercensal years in the different Sections and which the Census of 1911 has shown to have been considerable.

TABLE SHOWING THE DEATH-RATES FROM PLAGUE IN THE SEVERAL SECTIONS IN 1910 AND 1911 WITH THEIR QUINQUENNIAL AVERAGE RATES.

Ward.	Section.	1910 (based on population by Census of 1906).	1911 (based on population by Census of 1911).	Quinquennial average (1906-1910).
A	Upper Colaba	1·85	6·42	2·38
	Middle and Lower Colaba	6·00	5·23	9·07
	Fort, Southern	4·31	4·04	5·07
	Fort, Northern	3·96	5·07	5·52
	Esplanade	3·08	1·63	3·81
B	Mandvi	3·51	4·00	7·78
	Chukla	2·48	3·54	6.47
	Umarkhadi	3·52	5·21	6·54
	Dongri	5·02	4·58	7·86
C	Market	3·68	3·91	6·68
	Dhobi Talao	5·05	5·14	9·04
	Fanaswadi	4·48	5·10	8·82
	Bhuleshwar	4·17	4·03	9·93
	Khara Talao	2·74	5·65	7·35
	Khumbharwada	3·47	5·41	6·28
D	Khetwadi	2·32	2·09	4·46
	Girgaum	2·46	2·95	4·18
	Chowpati	2·76	3·33	4·37
	Walkeshwar	·78	1·31	2·75
	Mahalakshmi	1·86	3·61	3·81
E	Mazagaon	4·69	6·45	9·42
	Tarwadi	3·50	4·99	7·61
	Second Nagpada	1·22	2·53	5·67
	Kamatipura	2·82	2·58	6·60
	Tardeo	2·09	1·94	5·14
	Byculla	4·36	4·69	7·00
	First Nagpada	2·39	2·18	4·49
F	Parel	4·17	5·15	5·87
	Sewri	4·75	4·35	8·13
	Sion	4·32	2·96	4·98
G	Mahim	4·58	5·11	4·81
	Worli	6·92	5·28	7·10
	Harbour and Docks	·12	·06	
	Railways and Homeless			
	Total	3·73		

Plague by Months.

The following Table gives the number of deaths from Plague during the several months of 1910 and 1911; an examination of which, for the main features of the distribution of the disease, again shows that the disease is characterised by seasonal severity; that March, April and May are the months of greatest prevalence; while from August to December the disease is quiescent.

Compared with 1910, Plague mortality was higher month by month from January to April; and the total increase so recorded to the end of the latter month was 678; then it was lower for every succeeding month to the end of August, showing a total decrease during these months of 301; in September it exceeded the number of deaths in 1910 by 5 and in December by 11; during the two intervening months a decrease respectively of 28 and 15 deaths was recorded; these variations show a net increase of 350 deaths over the figure for 1910.

Plague mortality rose rapidly from 112 deaths in January to 386 in February, 872 in March, recording the maximum of 1,296 in April; then it steadily declined during the following months to 800 in May, 197 in June, 65 in August and registered the minimum of 30 deaths in November.

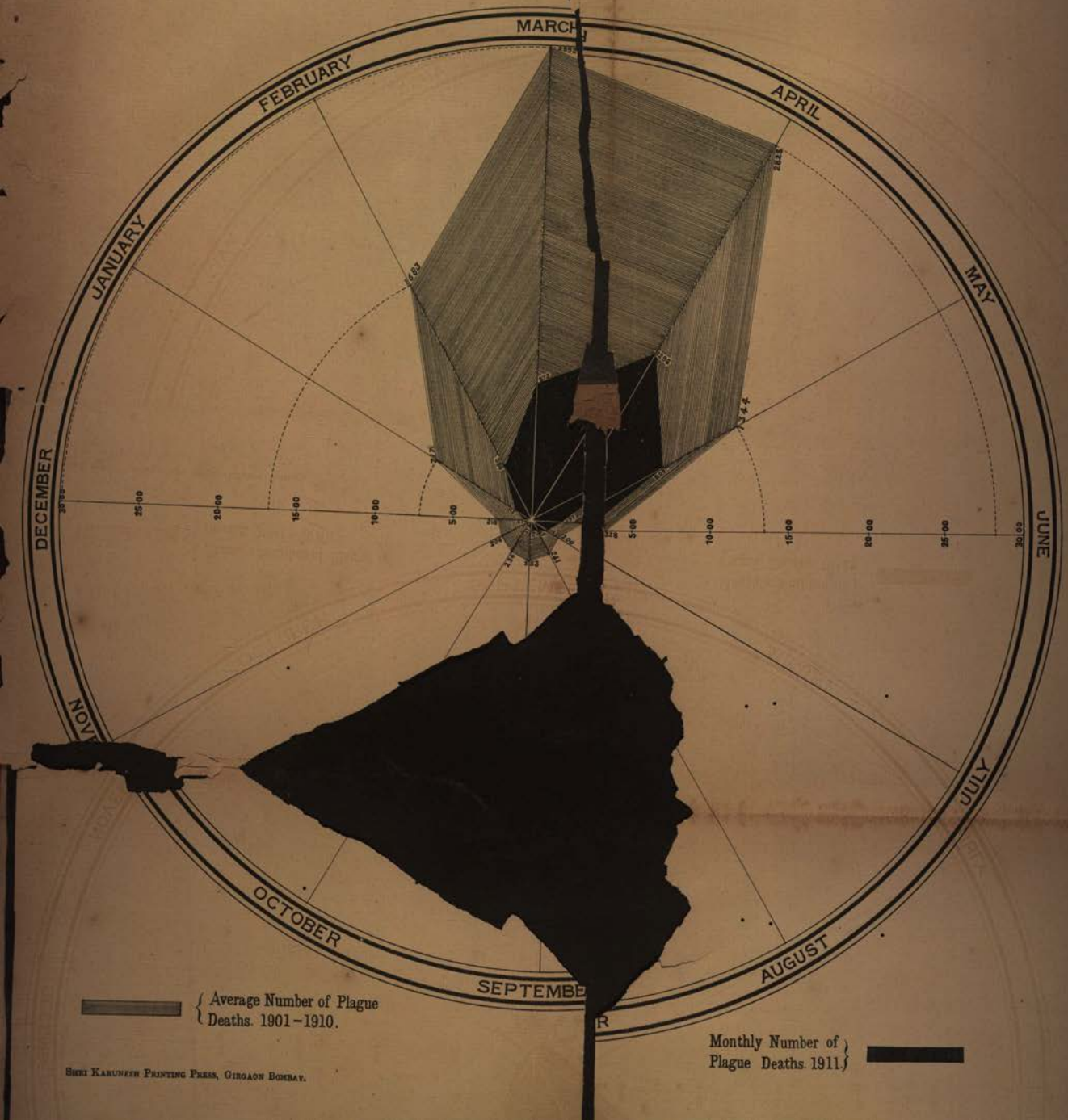
Plague was worst in April, as usual, and registered 1,467 seizures and 1,296 deaths in the month, against 1,024 seizures and 915 deaths in 1910; the lowest number registered in a month was 30 deaths in November against 32 in December 1910.

The highest number of seizures recorded on a single day was 69 on 4th April and the highest number of deaths was 71 on the 14th of the same month.

Months.	1910.	1911.
January	285	112
February	293	386
March	695	872
April	915	1,296
May	837	800
June	280	197
July	225	112
August	133	65
September	55	60
October	61	33
November	45	30
December	32	43
Total	3,656	4,006

DIAG[illegible]M

Monthly Plague Deaths in [illegible]11 compared with their average of the preceding 10 years.



Average Number of Plague Deaths. 1901–1910.

Monthly Number of Plague Deaths. 1911.

Shri Karuneeh Printing Press, Girgaon Bombay.

TABLE SHOWING THE DAILY NUMBER OF A[illegible] AND

Date.	January.			February.			March.			April.			May.			June.			July.			August.			September.			October.			November.			December.		
	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.	Attacks.	Deaths.	Total Mortality.
1	2	1	92	11	9	108	28	27	130	59	64	156	39	41	120	20	14	[illegible]	91	1	1	64	3	4	76	1	1	83	..	1	68	..	1	89	1	2	84
2	1	1	94	[illegible]	9	120	48	34	140	43	37	142	55	41	138	11	10	[illegible]	84	3	3	88	..	..	81	3	2	88	1	1	78	1	1	82	..	..	96
3	4	4	92	[illegible]	7	128	28	23	116	40	41	158	48	45	134	12	6	[illegible]	77	2	3	75	1	..	76	1	1	65	1	1	73	...	..	99	1	1	78
4	1	1	104	[illegible]	7	120	33	37	145	69	49	170	45	32	128	4	7	[illegible]	84	3	5	82	2	2	78	1	1	64	6	3	93	..	..	83	..	..	87
5	4	1	77	[illegible]	10	112	24	28	137	38	37	126	30	29	106	8	9	[illegible]	77	5	6	86	3	2	72	3	2	64	2	..	76	..	...	82	3	2	97
6	3	1	98	15	8	106	18	19	125	61	58	159	32	39	117	8	6	[illegible]	68	6	6	74	2	..	81	3	3	79	1	2	88	..	..	86	2	2	76
7	1	2	94	11	3	110	25	24	132	43	38	129	45	46	139	10	9	[illegible]	70	3	2	75	2	2	64	2	3	78	2	2	73	4	4	93	..	..	113
8	2	2	106	13	11	118	31	28	124	38	38	154	38	34	117	5	3	[illegible]	82	3	3	79	2	2	77	..	..	94	..	3	68	..	..	88	..	..	78
9	2	2	98	9	7	126	28	25	128	56	47	154	37	35	106	8	7	[illegible]	70	4	4	81	2	2	80	4	2	95	1	1	68	..	..	76	3	2	106
10	2	3	110	8	6	110	37	35	132	43	37	130	36	31	113	9	7	[illegible]	80	3	4	69	..	1	81	1	1	74	3	1	90	1	1	83	..	..	83
11	2	3	109	13	9	111	23	18	104	55	49	152	39	32	141	1	2	[illegible]	61	4	3	90	5	3	77	..	1	64	4	4	66	2	2	76	..	1	85
12	2	..	100	9	9	125	20	22	108	58	41	125	21	24	103	4	3	[illegible]	63	4	4	78	1	1	72	5	5	101	2	2	82	..	..	77	1	..	84
13	2	2	83	4	7	99	24	23	111	52	43	142	32	34	110	2	4	[illegible]	60	4	4	72	..	1	70	2	..	85	..	..	81	1	..	70	1	1	93
14	3	1	116	17	12	122	16	17	114	65	71	160	34	23	111	5	5	[illegible]	70	4	3	73	1	1	86	3	2	79	2	1	77	2	2	64	2	..	102
15	2	1	82	16	15	120	25	22	131	43	45	140	24	26	94	10	7	[illegible]	74	5	3	98	2	1	66	5	2	78	..	..	102	4	3	87	3	..	101
16	2	2	85	21	13	108	23	22	120	46	39	117	26	17	103	8	8	[illegible]	73	3	4	80	5	5	110	6	4	80	..	..	89	1	1	76	2	3	89
17	6	4	91	31	18	121	17	11	101	46	48	142	37	28	96	10	8	[illegible]	66	3	3	73	3	4	88	3	5	85	..	..	75	1	..	63	1	1	100
18	3	3	102	12	13	111	32	31	135	43	36	106	29	22	94	4	5	[illegible]	69	3	7	82	5	4	78	3	3	75	..	..	68	1	2	72	..	2	109
19	5	4	91	25	17	113	21	20	113	59	46	126	25	23	91	3	5	[illegible]	73	5	3	75	4	4	76	4	3	90	..	..	86	1	3	78	1	..	105
20	4	4	106	15	15	127	29	23	121	36	50	134	23	24	118	5	5	[illegible]	73	6	3	85	4	3	86	1	2	88	2	1	88	..	..	73	1	1	113
21	7	3	91	32	19	126	31	26	112	55	39	119	23	23	103	7	7	[illegible]	68	4	2	62	2	3	60	4	1	80	2	2	82	3	3	87	2	3	91
22	7	3	97	19	20	118	47	36	145	41	41	147	28	24	105	7	6	[illegible]	61	3	3	75	3	1	75	3	2	74	1	..	88	..	..	73	3	2	108
23	6	7	127	36	28	143	31	29	141	50	46	143	17	14	79	7	8	[illegible]	76	4	2	94	1	2	83	3	2	73	2	1	92	..	..	80	2	2	100
24	3	6	107	35	24	151	31	33	152	43	50	146	17	13	80	11	8	[illegible]	76	4	3	73	2	1	92	3	3	72	..	..	81	1	1	71	3	4	103
25	3	5	91	29	27	136	44	39	125	54	40	130	21	21	85	7	5	[illegible]	65	5	6	76	4	3	86	..	..	69	1	2	76	3	2	89	3	3	93
26	5	3	101	18	17	131	36	31	137	43	33	130	15	12	84	9	7	[illegible]	55	3	2	72	4	5	77	2	1	77	1	..	79	1	1	75	2	2	96
27	4	2	83	26	26	132	39	37	129	40	38	117	19	14	95	11	6	[illegible]	81	3	1	93	5	4	93	2	3	87	..	1	71	1	2	91	..	..	110
28	7	3	93	26	20	122	33	37	123	47	33	115	19	21	84	4	5	[illegible]	56	5	3	68	..	1	68	..	1	83	1	..	71	5	2	90	..	..	106
29	3	6	102	..	..	..	46	46	147	39	34	117	17	11	108	5	3	[illegible]	69	3	3	76	1	2	83	4	3	84	3	1	89	1	..	78	4	4	106
30	9	10	117	..	..	..	47	42	143	38	39	108	14	16	9[illegible]	10	7	[illegible]	68	4	4	77	2	1	76	..	..	60	2	2	96	..	..	79	1	1	110
31	10	6	119	..	..	..	44	39	151	..	..	..	13	16	[illegible]	[illegible]	..	..	..	3	3	72	1	..	67	..	..	..	..	1	80	..	..	..	3	3	124
Total ..	182	112	3,060	430	386	3,365	965	872	3,947	1,467	1,296	4,105	897	800	3,[illegible]	288	225	197	2,105	125	112	2,406	72	65	2,404	72	60	2,363	40	33	2,494	84	80	2,409	44	43	3,025

Attacks.	Deaths.	Total Mortality.
4,503	4,006	34,961

Small-pox.

The prevalence of Small-pox in 1911 calls for no elaborate treatment preceding year, it did not attain any serious proportions and the mortality was less than half of that in 1910.

773 attacks and 443 deaths were registered in 1911 against 1,658 and 1 ively in 1910.

Of the seizures 29 were imported, 5 of them being by Haj Pilgrims, against including 71 among Hajis.

Of 443 deaths—252 male and 191 female—9 occurred among new arrivals ing to the City, including 1 among Mahomedan Pilgrims. In 1910 new arrivals 26 deaths, including 21 among Hajis.

Smallpox by Months.

A Statement is added showing the number of Small-pox attacks and deaths du several months of the year, from which it will be seen that March and April were mo greatest prevalence and August and September of least :—

Months.	Small-pox attacks in 1911.			Small-pox deaths in 1		
	Males.	Females.	Total.	Males.	Females	Tota
January	11	9	20	6	5	11
February	59	34	93	25	20	45
March	113	77	190	58	47	105
April	108	69	177	51	41	92
May	77	44	121	46	36	82
June	25	15	40	19	14	33
July	17	9	26	12	8	20
August	12	5	17	8	4	12
September	5	7	12	7	5	12
October	12	10	22	3	3	6
November	17	8	25	7	3	
December	18	12	30	10	5	
Total ...	474					
The ...		299	773	252	191	443

promulgation of Government of India's orders in 1910 (i) to all Local Governments and Administrations to notify to intending Pilgrims the desirability of being vaccinated and revaccinated before starting for Bombay, and (ii) to Heads of Districts and other local Officials to popularise vaccination by grant of certificates to those who submitted to the operation before starting for Bombay, marks a most important step in the solution of the Pilgrim problem; for these orders gave us valuable co-operation, the results of which were thus indicated in my Report for 1910 :—"In consequence of (these) Government orders it was found that about 15,000 Pilgrims, who belonged to Hyderabad and Bhopal, the Punjab and the United Provinces had been vaccinated before they left their homes for Bombay. The total number of Pilgrims vaccinated in Bombay were 8,278. Including the 15,000 Pilgrims who arrived in Bombay vaccinated at their places, the total number of vaccinated Pilgrims amounted to more than half of the total number of Pilgrims that embarked at this Port for Jeddah."

The consequence was that importations of Small-pox by the returning Hajis were greatly minimised during the year, there being 4 cases against 71 in 1910 and 52 in 1909; and these 4 were among those who had not been vaccinated prior to their embarkation for the Haj.

But, as pointed out in my last Report, we have still to contend with the ignorance and prejudice of a large proportion of Pilgrims, inasmuch as they were reported in a large number of cases not to have allowed the operation to take effect, as they were found to have turned down their sleeves and washed their arms under the water-tap before the lymph had had time to dry.

...that in course of time our efforts will be better understood ... as directed to confer on them harmless immunity against a

Vaccination of Pilgrims.

...report 22,856 Mahomedans are reported to have embarked here ...25 or 58 per cent. were vaccinated prior to their embarkation (against ...being males and 3,125 females; 63 males and 74 females were primarily ...males and 3,051 females re-vaccinated.

...Pilgrims were vaccinated by the two specially trained District Nurses of

Small-pox by Sections.

...number of deaths from Small-pox were recorded in Worli (45), yielding ...51 per 1,000 of the population in that Section; next in order have to be ...(42) ·55; Dhobi Talao (39) ·1; Girgaum (33) 1·07; Khetwadi ...(31) 1·11; Kamatipura (22) ·59; Fanaswadi (21) ·76. Only Upper ...South registered no death from the disease.

Small-pox by Sex and Age.

...distribution of Small-pox mortality shows that, out of the total number of 443 ...among males and 191 among females.

...per cent. or half the number (222) of total deaths from Small-pox are found to ...among population 5 to 30 years old, 146 of these being males and 76 females.

...46 per cent. or 203 deaths were registered among persons up to 5 years old, ...males and 108 females.

...per cent. or 98 deaths were recorded among infants, 43 male and 55 female.

Vaccination.

...usual, during all the cold season, the work of vaccination was pushed on with ...vour; the Registrars and the Vaccination Staff paid frequent visits to houses and chawls ...affected areas for finding out unprotected persons and vaccinating and re-vaccinating ...in large numbers. Medical Practitioners in the City were also visited and their assistance ...ght to get unprotected children vaccinated. Usual facilities were given to the public ...cination and re-vaccination at the different Stations in the City; these were further ...ged by the permanent addition of two more Vaccination Stations, one at Colaba on ...day morning and the other at Sion on Sunday morning, for the greater convenience of ...residents of those places and the neighbourhood; these new Stations commenced work in ...last week of May.

The City has now in all 15 public Vaccination Stations, of which three are open on Monday morning and two every morning during the rest of the week; while that at ...i Road is worked morning and evening every Sunday.

As to Hajis or Mahomedan Pilgrims returning from the Hedjaj, Vaccinators were ...d on the arrival of each ship to induce and vaccinate them.

Mahomedan Pilgrims proceeding to the Haj were vaccinated at the Musafarkhanas ...vious to their embarkation. On the receipt of intimation from the Commissioner of Police, ...cinators, male and female, were deputed to the work. A small special staff was engaged, ...in 1910, for vaccinating large numbers of intending Pilgrims in the short period of their ...in the City.

Vaccine Operations.

The total number of vaccine operations performed during the year (excluding repetitions) was 38,098, showing a decrease of 2,858 below that of 1910 but an increase of 8,982 over that of 1909 and of 13,628 over the decennial average of 1901—1910.

Vaccinal condition of children admitted for Small-pox into the Arthur Road Hospital.

Government having desired (Resolution No. 3231 of 21st May 1912, General Department) that details of the vaccinal condition of children (under 10 years) dying from Small-pox in Hospitals should be separately shewn, the following Statement is added, from which it will appear that 41 children were admitted into the Arthur Road Hospital for treatment during 1911; 21 of these were vaccinated and all recovered, 20 were unvaccinated and of these 17 recovered and 3 died.

Age.	Vaccinated.				Unvaccinated.			
	Admitted.	Discharged	Died.	Case rate.	Admitted.	Discharged	Died.	Case rate.
1 to 6 Months	1	1	...	...	3	2	1	33·3
7 to 12 Months	2	2	...	...	1	1	...	...
1 to 5 Years	10	10	...	...	8	7	1	12·5
6 to 10 Years	8	8	...	...	8	7	1	12·5
Total ...	21	21	...	...	20	17	3	15·0

Yearly Return of Vaccination (excluding Bandra and Kurla), from the Superintendent of Vaccination, for the Year 1911.

| PRIMARY VACCINE OPERATIONS. | | |

There was a serious incidence of Measles in the earlier months of the year and 470 deaths were registered under that head during the 1st quarter,—127 in January, 155 in February and 188 in March,—being the highest mortality from the disease recorded in the first three months since 1901. Measles.

Leaflets of precautions against the disease were freely distributed in the City, and the Registrars and Nurses visited houses and cautioned parents against infection and about the care of the child when convalescing and advised them to call in Medical aid whenever a case occurred and to notify the occurrence to this Department.

The second quarter was a period of rapidly diminishing prevalence and by the end of it the disease had spent its force; the number of deaths declined from 97 in April to 45 in May and 19 in June. In July 12 deaths were returned as due to Measles and in August 2; no fatal case occurred in September or November, but there was 1 in October and 6 in December.

Of the total number of 652 deaths from the disease, 353 occurred among males and 299 among females; of these 35·7 per cent. or 233 deaths occurred among infants and 90·3 or 589 in the first quinquennium of life. There were 6 deaths in each of the age-groups of 10-15 and 15-20 years, 3 in that of 20-25 and 1 in that of 25-30. Measles by Sex and Age.

There was a sudden increase of mortality from Cholera towards the close of 1910; from 4 deaths in November to 42 in December. This outbreak continued with increased virulence into January of the year under report. In the first six days of the month 17 deaths were recorded from the disease and 34 more in the rest of it. Cholera.

But vigorous measures were adopted to control the spread of the disease. Wherever a case of Cholera occurred, the place was disinfected; the utensils were treated with permanganate and Izol solutions; soiled clothing was burnt and all other clothes were sterilized. Privies, washing places and water taps and *Nahanies* were also disinfected and the drains flushed; where wells, existed the water was examined and treated with permanganate. Houses and chawls were frequently visited, and contacts kept under observation.

As the disease began to spread, Deputy Health Officers and Registrars were asked to carefully inquire into the history of each case returned as Gastro-Enteritis or Choleraic Diarrhœa or Cholera and to send samples of food and water and milk to the Municipal Laboratory for analysis.

Leaflets on the prevention of Cholera printed in English and Vernaculars were freely distributed and all precautionary measures taken. About half a dozen cases having occurred among the operatives of the Crescent Mills residing at Worli and this Department having ascertained that they were in the habit of drinking milk supplied by the keeper of the milch cattle shed in the vicinity of their huts, the Mill Agents were advised by letter to warn their men against drinking the milk without boiling; a similar communication was addressed to the Agents of the Edward Sassoon Mills, among whose employés residing at Worli a case of Cholera had occurred.

The result of all these measures is seen reflected in the substantial reduction of mortality from Cholera that followed. The number of deaths fell from 51 in January to 3 in February and March; in April no death was recorded from the disease. The number of attacks registered was 53 in January, 5 in February, 3 in March and 1 in April; the disease slightly re-appeared in May and lingered throughout the rest of the year; the only considerable number of deaths due to it were 13 in September and 20 in December.

The total number of deaths attributed to Cholera in the year under report was 123, including 9 among new arrivals not belonging to the City; the number of seizures being 153, including 12 imported cases, 2 from the Harbour and the rest from the mofussil, against 107 and 136 respectively in 1910.

The sex distribution of the mortality was 93 males and 30 females.

Worli registered the highest number of deaths, namely 17, while Umerkhadi and Esplanade returned 12 and 11 respectively. No death from Cholera occurred at Upper Colaba, Fort Southern, Chowpati, 1st and 2nd Nagpada, Kamathipura or Sewri. Cholera by Sex and Sections.

The fevers included under this general head are Scarlet, Enteric, Malaria, Ague and Remittent, and Relapsing Fevers. Cases of Scarlet Fever are, however, not known to occur in Bombay. Fevers.

The total number of deaths from all these types of fevers was 3,146 in 1911, being 33 more than in the year preceding but 420 less than the five-year average (1906-1910.) 145 deaths were attributed to Enteric Fever, being 11 less than in 1910 but 23 more than the quinquennial mean. 334 deaths were ascribed to Malarial Fever, being 41 more than in the preceding year and 83 more than the average of the antecedent five years; this increase in the number of deaths from Malarial Fever, it may be noted, does not necessarily indicate that Malaria is on the increase but that diagnosis is more accurate and registration of the cause of death more reliable.

To Ague and Remittent Fever 2,657 deaths were due, being 27 more than in 1910 but 228 less than the average of the preceding five years. Only 10 deaths were put down to Relapsing Fever, being a decrease of 24 below the figure for 1910 and of 298 below the quinquennial average.

The annual movements of Fever mortality from 1900-1911 are indicated by the following Table of figures:—

Year.	No. of deaths.
1901	9,481
1902	5,169
1903	2,500
1904	2,530
1905	2,878
1906	4,882
1907	3,633
1908	3,403
1909	2,800
1910	3,113
Average (1901-1910)	4,039
1911	**3,146**
More or less	—893

The sub-joined Statement gives the monthly variations of mortality from all kinds of fevers in general, as also from Malarial Fever in particular.

TABLE SHOWING THE NUMBER OF DEATHS FROM ALL FEVERS AND MALARIA BY MONTHS FOR 1911.

MONTHS.	All Fevers.	Malarial Fever.
January	261	34
February	267	25
March	272	21
April	268	14
May	249	11
June	199	14
July	212	21
August	246	28
September	226	35
October	299	41
November	303	45
December	344	45
Total	3,146	334

Extermination of Malaria.

Government forward Dr. Bentley's Report to the Corporation.

During the year under review was issued the Report of Dr. Bentley, the Officer appointed by Government to investigate into the causes and suggest measures for the control and prevention of Malaria in Bombay. Government, in forwarding a copy of the Report to the Corporation, invite that Body to "address itself to the task with energy and carry through the operations to success without delay"; and promise to "give steady support to their endeavours".

Health Officer's remarks on Dr. Bentley's recommendations.

The question of measures for the control of Malaria is a very difficult problem and has caused much interest in the Corporation and is being dealt with by them in a very reasonable and public spirited manner.

Owing to a very severe outbreak of Malaria in 1907, Government, at the request of the Corporation, appointed a Malaria Expert to inquire into the causes and suggest a remedy. Dr. Bentley's Report has been before the Members of the Corporation, who have thoroughly discussed and practically adopted all the suggestions made.

But to draw up a report and make suggestions is a very different thing from carrying them out with any possible chance of success, considering the interests involved.

When the Corporation have finally decided on the Commissioner's proposals for carrying out the measures suggested, the whole responsibility for the success or the failure will fall on the Health Department.

These measures are the outcome of Dr. Bentley's Report. It must be understood that they will not be altogether popular, whether successful or otherwise, but they are so intimately connected with the Public Health Administration of the City that they cannot be divorced from the control of the Executive Health Officer.

Success can only be in the distant future, when the City has developed and expanded, and the people are alive to the advantages of sanitation and the causes of Malaria. The appointment of a large establishment and the amendment of the Act and Bye-laws, however necessary they may be, cannot immediately relieve the City of Malaria. In all the Reports I have made I have always maintained this.

We must have the co-operation of the people and the support of the Corporation, while the work will have to be done with discretion and tact. During the past eleven years the population of the City has considerably increased. The City has greatly expanded and the streets and buildings, rail, motor, tram communication, factories, workshops, stables and other undertakings have largely increased; commerce and trade expanded and the demands of the people for increased sanitation are rapidly extending.

The conservancy of the City alone requires an enormous amount of attention, while the continuous and urgent questions of Public Health Administration daily occurring, although extremely interesting to those keen in their work, require a continual and constant strain, and the clerical work daily increases. In addition to this, we have undertaken to educate the people in sanitation, by giving lectures and demonstrations without fee or reward, hoping that this will assist towards the general public health of the City.

Now the question of controlling the delicate problem of Malaria is to be added, which will to no small extent increase the responsibility and work of the Department, and, as I have pointed out, the work is no *sinecure*, and the measures will not be popular and success cannot be immediate, and we must have the good will and support of the Corporation.

The Report of the Malaria Committee, now adopted by the Corporation, is the result of the Commissioner's proposals to give effect to Dr. Bentley's Report on Malaria; and I am not prepared to support these proposals entirely.

The chief work to be done is not in the Laboratory but in the City. At Parel there is a Government Laboratory provided for research, and it is not necessary to establish another Laboratory. All specimens of blood, mosquito larvæ and research in Malaria and new species of mosquitoes can be done there.

What we have to do is to locate the disease, inquire into the causes, and take practical measures for the control.

The Municipal Commissioner placed the matter very clearly before the Corporation and his letter is as follows :— Questions to be dealt with.

* * * * * * * * * * * * * * *

"The points to be dealt with appear to be :—

(1) What are the sources, existing or potential, of danger, and how should they be dealt with.

(2) What additional or amended legal powers are required in order to take necessary action.

(3) What expense will be incurred for establishment and for remedial measures.

4. "It cannot be seriously denied that the wells interior to houses constitute the most serious source of danger. Cisterns are undoubtedly dangerous, but they can be more easily regulated, and chance collections of water are chiefly dangerous at particular seasons of the year, and can also be kept in check by careful supervision. As regards wells, although religious objections have been, no doubt, genuinely put forward in some cases, I am inclined to believe that, in most instances, the expense is the chief cause of reluctance to meet requisitions for filling them up. Such filling up is the most desirable action to take, and, in view of the financial

assistance promised by Government, I consider that the Corporation should agree to bear half the cost of filling up in all cases, and a greater proportion, three-fourths or even the whole, where the circumstances of the party rendered this advisable. Where the party preferred to cover hermetically rather than to fill up, this should be allowed, but without financial assistance; and such wells, whether provided with a pump or not, should be required to be licensed. Interior wells should be allowed to remain unfilled up, and not hermetically covered, only on religious grounds. In these cases a double gauze cover should be required, with or without fish stocking as the circumstances might require, and subject to license. These licenses might be issued free of cost in the first instance. If, however, the covering, whether of concrete or gauze, was found to be in bad order, the license would be at once withdrawn, and would only be re-issued on payment: while the Commissioner should have the power to direct the filling up of the well in case of a second or repeated failure to keep in good order.

"As regards exterior wells, the Commissioner should have power to require them to be filled up in bad cases: and in all others to have them licensed subject to such conditions of covering, cleaning, and fish stocking as might be necessary.

"As regards cisterns, these should be covered, and closed by covers capable of locking. The provision of bolts, which Dr. Bentley recommends on page 105 of his Report, is not sufficient. Open cisterns should only be allowed to remain with a license.

"All existing tanks, fountains, garden cisterns or large water receptacles should be required to be licensed, the license to be renewed annually: and they (together with wells and open cisterns) should only be allowed to be constructed afresh with permission.

5. "As regards the legal powers that may be taken, I trust that the Committee will recognise that, in order to be of any avail, legal action, to prevent danger from mosquito breeding, must be effective and immediate. This is the experience of all other countries in which anti-malarial action has been successful, and indeed stands to common sense. No one can say that the present system of dealing with water nuisances in Bombay is either rapid or effective. The two most important Sections in this regard are perhaps Section 279 and Section 381. In both of these nothing can be done without the sanction of the Standing Committee. With the best will in the world on the part of the Standing Committee, great delay is often inevitable. This can be proved by an examination of the dates on which wells have been reported by the Health Officer, and the dates on which the Standing Committee found it possible to take action. The second obstacle in Bombay is the difficulty of getting cases promptly disposed of by the Presidency Magistrate. I do not wish here to refer to the inadequacy of the punishment inflicted, but merely to the protracted delay that takes place in the disposal of cases. I am reporting on this fully to a separate Committee and I need only repeat here my opinion that, for the prompt enforcement of sanitary regulations, a Magistrate regularly appointed, who will sit in the different portions of the Island, and will give opportunities for the laying of the complaints, twice a week in the more thickly inhabited portions and once a week in the other parts, is absolutely necessary.

"The changes that are required in the Municipal Act appear to be as follows:—

Definition of Nuisance.

(1) To Clause (z) of Section 3 of the Act some such addition as follows should be made: 'and also includes the provision by any act or omission of facilities for the breeding of mosquitoes.'

(2) In Sub-section (2) of Section 68, power of delegation of powers under Section 381 and the proposed new Section 381A should be given.

(3) Section 279 should be amended to allow the Commissioner to cut off the water supply in case of abuse on 24 hours' notice. This is necessary partly to prevent accumulation of water and the making of damp places, in which mosquitoes can breed, but still more to prevent the gross waste of water that goes on. It is the rule in Calcutta, and is even more necessary here.

(4) Section 381 requires to be amended. The proposal to do so is already before another Committee and my letter No. 17301, of 29th September 1911, forwarding the Solicitors' opinion, may be referred to. It is necessary to provide powers to deal with any collection of water, and also with cisterns and other receptacles intended for storing water, and with low lying ground in the vicinity of dwelling houses. For the reason I have already given, the requirement of the preliminary approval of the Standing Committee should be excised from this Section, with the exception perhaps of the case of wells ordered to be permanently filled up.

(5) A new Section 381A is necessary to forbid the construction of new wells, tanks, ponds, cisterns, and fountains, without the previous permission in writing of the Commissioner.

6. "Dr. Bentley's conclusions as stated in para. 458 of his Report must be accepted, if his facts are, in the main, correct. I agree with the Health Officer in considering that at first the efforts at least of the special establishment should be directed towards the destruction of malaria-bearing mosquitoes. It is doubtless the case that all mosquitoes are a nuisance and, to some degree, productive of ill-health; and that the surroundings which produce them are in need of sanitary attention. But concentration of effort is the first essential, and this is best ensured by making the staff search for the most dangerous kinds. For the time being also, it is necessary only to take special measures in Wards A, B, C, D and E. only.

7 "As regards the staff to be employed, I agree with the opinion expressed in para. 465 of Dr. Bentley's Report, that the employment of a full time Officer is essential. Apart from the necessity for close and accurate supervision, it is important that the Officer-in-charge of the work should have time to do a considerable amount of Laboratory work, and to be the examiner and recorder of prevalence of Malaria in the City. It may in time be possible to redistribute the work of the Health Department, so as to allow of one of the Assistant Health Officers being deputed for this purpose. But I do not anticipate this, and it is not possible at present. The Health Department is in charge of the whole system of street cleansing and removal of refuse, in addition to their more ordinary duties of detection of disease, improvement of sanitary surroundings, Registration of Births and Deaths, Vaccination, etc., and till these various services have been on a more perfected footing, the amount of supervision over them cannot be reduced."

These proposals have, on the recommendation of the Special Sub-Committee, been adopted by the Corporation, and the money has been voted for carrying out the measures.

The Corporation are now considering the amendments of the Act to give more powers to the Executive, and when these are settled and the Staff appointed, an attempt will be made to exterminate Malaria from Bombay.

Anti-malarial work done during 1911.

The total amount of anti-malarial work done in the different Wards of the City during 1911 is summarised in the Table below :—

i.	Wells examined for mosquito larvæ	2,411
ii.	Cisterns " " "	4,632
iii.	Tanks " " "	179
iv.	Wells in which mosquitoe larvæ were found	1,440
v.	Cisterns " " "	308
vi.	Tanks " " "	49
vii.	Cases in which requisitions were addressed to parties	482
viii.	Cases in which requisitions were complied with	222
ix.	Cases reported as most objectionable	117
x.	Notices issued against parties	154
xi.	Notices complied with	66
xii.	Prosecutions undertaken	70
xiii.	Wells hermetically covered	183
xiv.	Wells filled in	70
xv.	Tanks filled in	1

Other causes of Death: Whooping Cough.

Turning now to other causes of Death—to Whooping cough 5 deaths were due, being 6 and 9 less than in 1910 and the average of the preceding five years respectively.

Diarrhœa.

Diarrhœa caused 2,078 deaths, being respectively 77 and 195 less than in 1910 and the quinquennial average of 1906-1910.

Dysentery.

From Dysentery 997 deaths were registered, being 200 less than in the preceding year and 207 less than the average of the foregoing five years.

Puerperal Septicæmia.

339 deaths were due to Puerperal Septicæmia, being 55 and 68 less than in 1910 and the average of the past five years respectively.

Leprosy.

To Leprosy 88 deaths were due, being 16 more than in the preceding year but 9 less than the average of the previous five years.

Cancer.

Cancer is responsible for 70 deaths, being 20 more than in 1910 and 18 more than the average of the last five years.

Premature Birth.

The number of deaths amongst children born prematurely was 175, being 28 and 2 more than in the previous year and the average of the last five years.

Debility.

To Debility 2,478 were referred, being 248 and 623 less than in the foregoing year and the average of the past five years respectively.

Old Age.

1,803 deaths were due to Old Age, being 196 less than in the previous year and 218 less than the average of the last five years.

Diseases of the Nervous System.

The Diseases of the Nervous System caused 2,006 deaths, being 3 more than in 1910 but 29 less than the average of the antecedent five years.

Diseases of the Circulatory System. The number of deaths from the Diseases of the Circulatory System was 351, being respectively 35 and 16 more than in the preceding year and the average of the foregoing five years.

Tuberculosis. 2,694 deaths were ascribed to Tuberculosis, being 145 less than in 1910 and 549 less than the mean of the preceding quinquennium (1906-1910).

Phthisis. 2,078 deaths were due to Phthisis, being 204 less than in 1910 and 627 less than the average of the previous five years.

Diseases of the Respiratory System. The Diseases of the Respiratory System caused 8,640 deaths, being 428 more than in the previous year but 539 less than the average of the preceding quinquennium.

Diseases of the Digestive System. To the Diseases of the Digestive System, 1,205 deaths were referred, being 32 and 79 more than in 1910 and the average of the previous five years respectively.

Diseases of the Lymphatic System. From the Diseases of the Lymphatic System, 16 deaths were registered, being the same as in the preceding year but 5 less than the average of the previous five years.

Diseases of the Urinary System. To the Diseases of the Urinary System, 300 deaths were ascribed, being 14 less than in the foregoing year but 17 more than the average of the preceding five years.

Diseases of the Generative System. The Diseases of the Generative System occasioned 138 deaths, being respectively 7 and 29 less than in the previous year and the average of the preceding quinquennium.

Diseases of Organs of Locomotion and Connective Tissue. To the Diseases of the Organs of Locomotion and Connective Tissue, 93 deaths were referred, being 3 and 28 less than in 1910 and the average of the previous five years respectively.

Accidents. From Accidents and Violence, 702 deaths were registered, being 1 more than in 1910 but 45 less than the average of the last five years. Of these, 63 deaths were the result of poisoning, being 30 and 8 more than in the preceding year and the average of the previous five years respectively; of these 41 were suicidal, 18 accidental and 4 from snakebite; 97 deaths were due to drowning, being 5 less than in the previous year and 2[illegible] less than the average of the past five years; of these, 40 were suicidal, 26 accidental and in 31 cases the circumstances under which the deaths took place were not known.

Municipal Dispensaries. The ten Municipal Dispensaries were open throughout the year to administer, as in the past, free medical relief to the sick poor of the City. The actual number of new cases (individuals) treated at the Dispensaries was 81,225 (52,553 males and 28,672 females) against 83,527 in 1910, making 415,964 total number of attendances against 440,669 in the preceding year. Out of these 2,247 patients were seen at their houses.

The Diseases treated at these Dispensaries were Fevers, Plague, Small-pox, Measles, Cholera, Diarrhœa, Dysentery, Rheumatism and Diseases of the Digestive, Respiratory, Nervous, Circulatory and Generative Systems and other General and Local Diseases.

In addition to the above, the actual number of new cases (individuals) treated at Colaba and Victoria Bunder Charitable Dispensaries was 7,369 (5,339 males and [illegible] females) making 25,560 total number of attendances; out of these, 89 patients were seen at their houses. A contribution to these Dispensaries is paid by the Municipality and they are under the direct control of the Registrar No. 1 District who visits them daily.

Notification of Infectious Diseases. 1,551 Notifications of Infectious Diseases were received during the year from Medical Practitioners in the City as compared with 1,487 during the preceding year: of these, 1,174 were for Plague, 47 for Phthisis and other Tubercular Diseases and 330 for other Infectious Diseases.

From Hakims and Vaidyas 53 Notifications were received and, on investigation by the medical men of this Department, the diseases mentioned in all of them were found to be correctly reported.

Certification of the Cause of Death. During the year, 8,668 Certificates of the Cause of Death were received against 7,601 in 1910. This increase of 1,067 is the result of persistent efforts of this Department to obtain a certificate in every case a Medical Attendant was mentioned, in several cases special efforts were necessary: the Medical Attendants had to be interviewed and written to inspite of the obligation laid on all Medical Practitioners by the Municipal Act to forward such certificates to the Municipal Authorities.

Of the 8,668 Certificates received, 3,994 were from Medical Practitioners, 287 from Hakims and Vaidyas, 3,279 from various Hospital Authorities, 714 from the Commissioner of Police and 394 from the Coroner of Bombay. The cause of 754 deaths was certified by the Registrars after seeing the persons during their last illness, and the cause of death of 24,906

was verified by the Registrars; in the former cases, on the information ne relatives of the deceased, and in the latter after seeing the dead bodies. In e of death could not be ascertained, as the residence of the deceased could not

orking under the Registrars paid 37,875 visits, during the year, to houses s and they enquired into 4,257 cases of ordinary sickness, 1,508 cases of Infec- and 2,099 deaths amongst the female population of the City. They also confinements and ascertained 9,462 births. Their work has already been examin- n the earlier pages. Visiting Nurses.

uring the year 754 copies of Certificates of registry of Death and 145 of that of Birth ue copies of Birth and Death Reports were issued, and the total fees received on f them and for searches of Birth and Death records for indefinite periods as well as oing such records in Courts of Law amounted to Rs. 1,305 against Rs. 1,082 in the g year. Certificates issued.

It will be noticed that there has been a considerable increase of work in the Depart- connection with the issue of Certificates of Birth and Death registry resulting in the ion of increased revenue.

Statistics for the preceding three years are compared below with those of the year under

Year.	Copies of Death registry issued.	Copies of Birth Registry issued.	True copies of Birth and death Reports issued.	Total fees received.
				Rs. a. p.
... ...	652	129	22	981 0 0
... ...	726	112	29	1,113 14 0
... ...	707	142	27	1,082 0 0
age 1908-1910	695	127	26	1,059 0 0
... ...	754	145	32	1,385 0 0
ease	59	18	6	326 0 0

The number of Notices issued by the Health Department under the various Sections of Municipal Act, during the year under report, was 3,513 against 3,389 in the previous year. these 1,623 were complied with, 1,265 were not complied with, 242 cancelled and 383 are nding. Notices under the Act.

In 1,746 cases summonses were issued by the Presidency Magistrates at the instance of Department against 1,861 in 1910. Convictions were obtained in 1,122 cases and in 647 ses the parties were warned and discharged; 29 cases were dismissed and 595 withdrawn, the fences having ceased. Out of these, 344 notices were issued in E Ward against overcrowding d 300 of them were complied with. In 28 cases summonses were issued by the Presidency agistrate for not complying with the notices issued by this Department. Convictions were btained in 23 cases while 5 were withdrawn. In 2 cases the Magistrate acquitted the owners f houses on the ground that the occupiers and not the owners were responsible to abate the vercrowding. The High Court on a reference, however, held that the responsibility lay with e owners, who will now be proceeded against.

During the year 721,752 carts of kutchra, drain stuff and other matter were emptied at he Tardeo Flats and other places in the City against 857,878 carts in the foregoing year. Of hese 554,405 were departmental and 167,347 private. Conservancy work.

114,377 night-soil and cesspool carts and 4,314,968 night-soil baskets were emptied at he several Night-soil Depôts in the City during the year under report, as compared with 17,175 night-soil and cesspool carts and 4,271,898 night-soil baskets in 1910. All the night-soil carts were departmental.

ADMINISTRATION OF PUBLIC HEALTH.

For administrative purposes, the City has been divided into seven Wards, each under the subordinate charge of a Deputy Health Officer, who is responsible both for the conservancy and sanitary work of his Ward. The Deputy Health Officers are assisted by a staff of Sanitary and Conservancy Inspectors, Assistant and Sub-Inspectors. The Deputy Health Officers are under the control and work under the general orders of the Health Officer who is assisted by two Assistants. Divisions of the City. (i) Wards.

For the purposes of the Registration of Births and Deaths and free Medical Relief, the City has been divided into ten Districts with ten Charitable Municipal Dispensaries, each in charge of a Registrar, having under him two Sub-Registrars and one trained Visiting Nurse (ii) Registration Districts.

and Midwife. Each of these District Medical Officers is equipped with s
births and deaths, enquiring into the cause of death, for checking Cemetar
Disinfecting houses and rooms where cases of Infectious Diseases may have
rats may have been discovered and reported. The work of the Registrars is
Deputy Health Officers and the Executive Health Officer with his two Assist

There is also a Special Assistant Health Officer in charge of the Arthur
for Infectious Diseases and the Maratha Hospital for Plague.

Municipal Laboratory. For Analytical and Bacteriological Examinations, there is a Municip
charge of a fully equipped Chemical and Bacteriological Laboratory; Chemical A
Bacteriological Examination of Municipal waters is conducted by him.

Veterinary Establishment. The Veterinary Staff includes four qualified Veterinary Surgeons with a Sh
inspect the Milch Cattle Stables in the City and the Municipal Bullocks, and are in ch
Municipal Bullock Hospital.

Vaccination Establishment. The Vaccination Staff includes, besides the Superintendent and the Assistant
tendent, ten Vaccinators, one Head Clerk with four subordinate clerks and the menial

Inspectorial Staff. The Conservancy and Sanitary Staff, exclusive of the labour staff, consists of:—

3 Chief Inspectors,
7 Sanitary Inspectors,
7 Conservancy Inspectors,
1 Loading Siding Inspector,
6 House Drain Inspectors,
7 Assistant Inspectors,
68 Sub-Inspectors,
1 Halalcore Inspector,
5 ,, Sub-Inspectors.

Plague Measures. The different preventive and precautionary measures carried out against Plagu
1911 were the same as in previous years.

(I) Inoculation. 9,621 inoculations were performed in 1911 against 5,043 in the preceding yea
4,544 in 1909, being an increase of 4,578 operations over those in 1910. Of the
number, 3,532 were done by the Registrars of Districts.

STATEMENT SHOWING THE PERSONS INOCULATED DURING THE YEAR 1911.

	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	To
District 1 ...	...	...	6	197	190	...	...	...	...	...	...	1	
,, 2 ...	5	...	3	258	170	68	...	...	3	...	7	...	5
,, 3 ...	...	...	12	362	42	40	...	18	...	...	...	...	4
,, 4 ...	11	18	3	35	...	13	3	6	...	...	2	...	
,, 5 ...	88	112	87	190	123	84	102	53	61	77	96	48	1,12
,, 6 ...	...	...	28	56	263	...	...	...	4	3	...	...	35
,, 7 ...	...	...	...	41	10	14	1	...	...	...	1	...	6
,, 8 ...	7	...	41	100	36	17	6	3	19	10	3	1	24
,, 9 ...	...	203	1	57	...	...	...	...	...	9	...	4	27
,, 10 ...	...	...	...	...	...	...	...	...	...	...	...	...	...
B. B. Laboratory ...	80	203	587	360	148	38	24	43	46	109	52	13	1,70
H. M.'s Common Prison	168	209	299	300	371	312	390	488	484	487	679	299	4,48
Total ...	359	745	1,067	1,956	1,353	586	526	561	617	645	840	366	

(II) Rat Destruction. The results yielded by Rat-raids organised and carried out in the different Wards were far more favourable than in previous years; 582,345 rats were collected and destroyed during the year compared with 528,430 in 1910 showing an increase of 53,915 rats.

From the subjoined Rat Statement it will be noticed that, of the 582,345 rats coll
and sent to the Parel Laboratory, 134,401 were examined and 11,57 of these were found
ed; the percentage of infected rats to the number examined continued to decline and
against 9·6 in 1910 and 10·4 in 1909, 12·3 in 1908 and 14·2 in 1907.

The percentage of infected rats stood at 8·2 in January 1910; it was 6·8 in the first month of the year under review, but it rose steadily during succeeding months to 14·6 in February, 19·7 in March, reaching the maximum of 20·5 in April; this was also the month in which the highest number of deaths from Plague (1,296) were registered during the year. The ratio then fell to 13·5 in May, 7 in June, 4 in July, 2·9 in August, 2·2 in October, reaching the minimum of 1·7 in November, when was also recorded the lowest monthly Plague mortality in the year (30); with the setting in of the cold weather it rose to 2·5 in December.

The rise and fall in the mortality from Plague will be found to depend on and follow similar variations in the infection among rats; this relation between Rat Plague and Human Plague is indicated in the Diagram facing this page. Rat Plague and Human Plague.

MONTHS.	Total number of rats sent to the Parel Laboratory.	Number of rats examined.	Number of rats found infected.	Ratio of rats found infected per 100 rats examined.
January	58,160	12,393	849	6·8
February	52,380	13,215	1,930	14·6
March	55,209	13,725	2,713	19·7
April	48,540	11,362	2,337	20·5
May	40,985	11,230	1,525	13·5
June	33,906	7,056	495	7·0
July	41,689	8,371	342	4·0
August	43,510	8,263	242	2·9
September	42,689	9,413	297	3·1
October	49,643	12,002	272	2·2
November	59,342	16,027	286	1·7
December	56,292	11,344	285	2·5
Total	582,345	134,401	11,573	8·6

(III) Evacuation.

As in previous years, Municipal Health Camps were, to induce evacuation of congested areas, put up at Victoria Bunder, Agripada, Northbrook Gardens, Purbhadevi Road, Parel Government House, Baboola Tank, Gilder Tank and Mahim Gardens and Railway Station.

Semi-permanent Health Camps at Koliwada (Colaba), Northbrook Gardens and at the junction of DeLisle and Arthur Roads were in addition maintained in a state of repair during the monsoon months.

There were besides *private* Health Camps put up by the public at Chowpati, Vincent Road, Matunga and Mahim.

(IV) Disinfection

Every place, where an infected rat was found or a Plague case occurred, was pesterined and all gullies and passages between houses were similarly treated.

On account of	Cases removed to Hospital.	Houses Vacated.	Houses Disinfected.
Precautionary Measures	.....	54	2,169
Dead Rats	.....	80	1,112
Plague	429	222	4,688
Suspicious Plague	8	5	82
Small-pox	291	5	758
Measles	27	.....	730
Chicken-pox	13	.....	12
Typhoid Fever	60	.....	161
Malarial ,,	50	.....	68
Remittent ,,	3	.....	17
Relapsing ,,	3	.....	8
Cholera	40	8	144
Erysipelas	6	.....	5
Leprosy	.....	.....	11
Diarrhœa	29	.....	26
Tubercle of Lungs	19	.....	83
Phthisis	59	.....	1,708
Pneumonia	48	.....	1
Other Causes	245	8	28

Production of Medical Certificate of Cause of Death.

During the year under review, I submitted for the consideration of the Corporation a Note on the compulsory production of a Medical Certificate of Cause of Death before the disposal of a corpse. The chief points of my recommendation, which had been made before, may thus be summarised:—

In 1901 the condition of the system of Registration of Births and Deaths in the City was reviewed and with a view to improve it and ascertain the chief causes of sickness I advocated the re-organisation of the Registration system, the founding of Municipal Dispensaries and a staff of qualified medical men and nurses.

These suggestions were adopted by the Corporation and these Dispensaries have done valuable work.

In order to gain the help of the Medical profession and the public, we have from time to time issued printed circulars asking for their co-operation and informing them of their obligations under the Act. Medical men have been reminded of Section 450 (1) in particular, which requires them to forward to the Municipal Commissioner a Certificate of the Cause of Death of any person on whom they attended in his last illness.

The improvement which has followed in the last ten years is to a certain point satisfactory : the proportion of Certificates of Cause of Death to persons dying has risen from 5 to 21 per cent. But there is still room for further improvement.

In order to give the poor people facilities for medical aid, the Corporation founded Free Medical Dispensaries.

There are at present ten Registration Offices and Dispensaries in the different parts of the City, and to each are attached the following staff:— (1) a Registrar who is a qualified medical man residing generally in his own District or close to it, attending the Dispensary morning and evening, treating at their residence poor patients unable to move out, checking Death Reports and supervising the work of those below him; (2) Two Sub-Registrars or Sub-Assistant Surgeons, who reside in their own Section and in the Dispensary, if there is accommodation, and who immediately on receipt, from Cemeteries, check all Death-Reports, make house to house inspection and find out sickness and births and treat poor patients at their houses and check the work of Birth Karkuns, etc.; (3) one qualified Visiting Nurse and Midwife entrusted with the duty of attending *free* on confinements in poor families and finding out births endeavouring to get information by visiting places which would otherwise be inaccessible on account of the Purdah System and caste prejudices; (4) Six birth registering Karkuns making house to house inspection to find out births and sickness in their Sections, visiting obstetric and other Hospitals, where women are admitted for delivery, to obtain information of births occurring there; and attending Vaccination Stations in their Sections to take note of births that may have escaped registration ; (5) Three death registering Karkuns entrusted with the duty of registering deaths at Cemeteries and ascertaining the cause of death from the funeral party; in the larger Cemeteries there are Cemetery Clerks who are Sub-Assistant Surgeons.

This machinery for the collection of Vital Statistics was introduced in 1902. The scheme of Free Medical Dispensaries, which are also Registration Offices, was put into operation the same year in order to facilitate correct registration of births and the cause of death by offering free medical aid to the poor of the City, so that the Registrar and the Sub-Registrar attending patients at their houses as well as at Dispensaries may be in a position to certify the cause of death as well as gain information as to birth and sickness.

Difficulties in the registration of cause of death.

But while it may be safely affirmed that under the existing system a death can hardly escape registration, the registration of the cause of deaths is not always accurate, and this for several reasons:—(*i*) In the lower strata of Society there is a lack of faith in Medical Science and people resort to household remedies or the empirical system of medicine practised by unqualified persons; (*ii*) the poverty of the people also prevents them from approaching qualified medical practitioners. Thus it happens that, in the absence of skilled medical attendance at the last illness, the cause of death is at times doubtful or difficult to ascertain.

Again, in several cases medical men do not send a Medical Certificate of the Cause of Death, although their name is given in the Death Report as having attended the case; they reply that they were not attending the deceased in his *last* illness.

Facilities for certification of cause of death.

To compete, therefore, against the causes contributing to doubtful or inaccurate registration of the cause of death which have their root in the ignorance, poverty or prejudice of the people, the scheme of Free Medical Relief and Municipal (charitable) Dispensaries was devised and organised ; these Dispensaries have been slowly gaining in popular favour, as is shown by the large number of patients treated. Every facility is given to the poor to obtain free medical relief and a Certificate of Cause of Death.

But when a funeral party has no Medical Certificate of Cause of Death, the information given by the relatives as to the cause of death is entered in the Cemetery Register by the Cemetery Clerk, who is a Sub-Assistant Surgeon, and verified by the Registrar or Sub-Registrar. If no medical certificate is forthcoming, this must be taken as the only guide as to the cause of death. If the person was seen by a Medical man he is asked to certify, if he has not already certified. When the funeral party produce a Medical Certificate, it is filed with the Death Report and the cause of death registered as given in the Medical Certificate.

Where funeral party produce no medical certificate.

With the exception of insistence on the production of a Medical Certificate before the disposal of the corpse, the system in vogue is most elaborate.

The reasons given, as to why the production of a Medical Certificate cannot be insisted on, are :—

Why Medical certificate is not insisted on.

(*i*) That in many cases people do not approve of Western medical treatment.

(*ii*) That the majority of the poor do not have a qualified medical attendant.

(*iii*) That bodies must be disposed of within twenty-four hours of death.

A large percentage of the population of Bombay is composed chiefly of the poorer and illiterate classes.

Proportion of uncertified deaths in 1910.

The number of deaths during the last year (1910) was the lowest for many years (34,933). Of these, 79 per cent. or 27,500 corpses were disposed of without a Medical Certificate. It is difficult to believe that all these people had had no medical attendance in their last illness, and, apart from the effect this has on the Vital Statistics of the City, there is a medico-legal aspect which is of the utmost importance.

Of 34,933 Death Reports, while in 2,894 cases Certificates from private medical attendants were received, the name of medical attendant in the last illness was given in 2,698 cases but no death certificate was produced.

In a recent medical discussion, the reliability of the causes of death shown in the Municipal Returns was attacked by a prominent medical man, on the ground of the discrepancies which he found between the causes of death, given by medical attendants when certifying to Insurance Companies and the causes of death registered in the Municipal Returns in these cases.

Reliability of cause of death as registered.

Enquiry into Insurance cases is difficult as the Companies are not willing to give information, but through the courtesy of one Company I am enabled to give the result of investigation of 12 cases. The result of this enquiry shows that, though the registration of causes of death is not so unreliable as believed by the medical gentleman above referred to, yet the system is not fully satisfactory. In all these 12 cases medical men certified, to the Insurance Company, the cause of death, yet in only 2 of these had the medical men certified the cause of death to the Municipal Authorities. In 4 more the name of the medical man was given by the funeral party, but the medical man refused to give a certificate to the Municipal Officers. In the remaining 6, the name of the medical attendant was not given, so no enquiries could be made by the Municipal Officers. It follows therefore that in 10 of these cases the medical attendants either never saw the cases, in their final stages, and therefore acted improperly in certifying to the Insurance Companies or they saw the cases, and committed a breach of the Municipal Act, in not certifying to the registering Officers. It is true that in 9 of the cases the cause of death as registered was the same as that entered in the Insurance Certificate, and in remaining 3, it did not greatly differ. This shows that the registration is roughly accurate. But it does not affect the point that the registration was not so reliable as it ought to have been, as in 7 of the cases it depended on verbal enquiries from the relatives of the deceased, instead of on the Medical Certificate.

To sum up, although the registration of births and deaths has improved, a large proportion of the poorer persons dying have no medical attendant at their last illness. A large number of persons die and the cause of death is not certified to the Municipal Registration Office as required by law; although a certificate is produced to the Insurance Office.

Present percentage of certification.

8 per cent. of the total deaths occurring in the City are certified by a private qualified medical practitioner and 13 per cent. by Public Authorities, Hospitals, Commissioner of Police, &c.

The Section of the Act, requiring a qualified medical practitioner, who has attended a person in his last illness, to forward to the Municipal Commissioner a Certificate of the Cause of Death has, as already stated, often been published in the local Newspapers and leaflets have been issued to medical practitioners in the City. Every medical man is supplied free with a book of Death Certificate forms, as required under Section 450 (2), and although these printed forms are not used by every one, or in every case, still considerable improvement has already resulted in this respect to the extent that the proportion of certificates given by private qualified medical practitioners and public authorities, which previous to the introduction of the present system was 5 per cent., has risen to 21 per cent.

What is needed.

But it would be vain to hope for absolute accuracy in the registration of the Cause of Death, unless and until the production of a Certificate from a qualified medical man is made obligatory before the disposal of the corpse. There are over 480 qualified medical men in Bombay, or 1 to every 2,000 of the population, a much higher proportion than in English towns. There should thus be no reason why a medical man should not be called in to attend a patient at his last illness and certify the cause of death to the best of his ability.

The Corporation has provided free Medical Dispensaries in the different parts of the City to give free medical relief to such as have not the means to call in a private medical practitioner; and where the sick poor are unable to attend our Dispensaries, the Registrar or his Assistant visits the patients at their houses, on receipt of information. This information may be given by the relatives or by our staff, Nurses, Birth Karkoons, Sub-Registrars and Sub-Inspectors, who have instructions to find out and report cases of sickness in their daily rounds.

Hundreds of the City's poor who are too ill to attend our Dispensaries are seen at their residence by our Medical Staff, as will be found from the figures given in the Annual Reports of this Department.

The provision of these facilities has brought medical relief within the reach of the poorest of the poor; and if these be deemed inadequate for the requirements of such a large City, an extension of the facilities might be recommended by adding to the number of charitable Municipal Dispensaries.

There can be no doubt that advantage is being increasingly taken of them by those for whom they have been established. The increasing popularity of these Dispensaries, as measured by the number of patients attending them for treatment, seems to be steadily overcoming the prejudice of the poor against qualified medical advice and treatment.

Having provided these facilities, the Corporation would be justified in insisting on the production of a Medical Certificate of Cause of Death before the disposal of the corpse in every case.

Where, however, through prejudice or other cause, the treatment given is other than of a qualified medical practitioner, the latter might be called in to certify in last illness, so that in such cases, religious and other susceptibilities will still have been respected.

But in case of pauper patients, where a private medical practitioner has been called in and this would be only in exceptional circumstances, when a Registrar or his Assistant is far away or not available, the cost incidental to the granting of a certificate, the fees for medical examination and conveyance charges would be a proper charge on the rate payer; and a maximum fee of Rs. 2 may perhaps be fixed for each such case.

Where, however, this has not been possible for some reason or other, it would be well to order that the corpse should not be removed from the house until the Registrar or Sub-Registrar had visited it and given a Certificate of the Cause of Death.

SANITARY MEASURES.

Installatoin of Refuse Destructors.

In the year under review, the question of installing a Refuse Destructor made little appreciable progress. In my Report for 1910, it was mentioned that the question had been referred back to the Special Committee and that I submitted an elaborate report on the questions raised, *viz.*, (i) the utility of an Incinerator, (ii) the likelihood of nuisance from it, (iii) the site suitable for its location and (iv) the financial aspect.

The Special Committee issued their report early in the second half of the year under notice, stating that—

(*i*) "There is no difference of opinion now as to the utility of incinerators."

(*ii*) "If incineration is resorted to, the nuisance caused by refuse will be much reduced at the place of origin and in the streets during the passage of the refuse," while, at the site of the incinerator, any nuisance arising "would be practically negligible."

(*iii*) "The installation of incinerators would effect an appreciable reduction in the total cost of removing *kutchra*."

(*iv*) "Taking all the circumstances into consideration, the site at Palton Road should be selected for the incinerator for A & B Wards."

The Committee further recommend that "it is desirable that only one incinerator should be constructed for the present."

These recommendations of the Committee await, at the time of writing this Report, the decision of the Corporation.

The working of Refuse Motors.

There are at present five Motors in use for the removal of refuse; of the five more sanctioned, two have arrived and will shortly commence work, while three are under orders from England.

The working of Motors has hitherto been satisfactory and the Corporation have therefore sanctioned this year three additional Motors, tenders for the purchase of which have been invited.

Milch Cattle Stables and Adulterated Milk Supply.

The Draft Amendments of the Municipal Act regarding Milch Cattle Stables in the City and the additional powers to deal effectively with impure milk, referred to in my last Report as being then under preparation, are now being considered by the Corporation.

Bake Houses and Aerated Water Factories.

With a view to bring Bake Houses and Aerated Water Factories in the City under some sanitary control, they are now required to be licensed under the Municipal Act as amended in 1911.

This Department has prescribed the following requirements for compliance before the grant of a license:—

Common Requirements.

(i) The building to be used as a Bake House or Aerated Water Factory should possess the conditions of wholesomeness needed for dwellings in general and should further have arrangements fitting it for the special purpose.

(ii) The rooms should be light, airy and well ventilated and the floors and walls should have a smooth and non-absorbent surface that can be easily cleaned.

(iii) No drain or pipe directly communicating with a house drain or sewer should have an opening in the Factory or Bake House and these should not have any windows or ventilation openings abutting on a sweeper's passage and should not be situated near a privy or other potential source of contamination.

(iv) The water-supply should be from a service pipe which is connected to the Municipal main, or from a special covered cistern which is so located as to admit of being readily cleaned and which does not supply any water-closet.

(v) No person should be permitted to sleep in any part of the Factory or Bake House and no room on the same level as either of these and forming part of the same building should be used as a sleeping place unless effectually separated by a masonry partition extending from the floor to the ceiling.

(vi) Utmost cleanliness should be observed in the various processes of manufacture and the premises and appliances should be kept in a thoroughly clean and sanitary condition.

(vii) A special lavatory should be provided for the work people and should be quite detached.

Special Requirements.

In addition to the above requirements, (1) the Bake House should be in a detached building and not permitted inside chawls and dwelling houses.

(2) Separate room should be provided for storing flour, for mixing and kneading the dough, for baking and storing the bread.

(3) The dough troughs and kneading tables should preferably be of glazed iron and marble so as to admit of ready cleansing by water; if made of wood, the inner surface should be smooth and free from cracks to prevent lodgment of dough and putrescible matter.

(4) The oven should be so arranged that none of the fumes can escape into the room in which it opens and the chimney should be of sufficient height.

(5) The bread when baked should be taken to a special room and kept in such a way as to protect it from contamination.

As to Aerated Water Factories, the brushes used for scrubbing the interior of dirty bottles should themselves be cleaned and disinfected periodically and the cleaning of the bottles should be carried out in clear running water or by means of a jet of water at high pressure.

Unwholesome food seized and destroyed.

The catalogue of unwholesome food seized and destroyed under Sections 415 and 416 of the Municipal Act by the staff of this Department in the different Wards of the City during 1911 is as follows:—

B Ward.—½lb. of meat, 537 mangoes, 477 other fruit and some grapes.

C Ward.—641 mangoes, 4½ lbs. of sweets and some fish.

D Ward.—254 mangoes, 2 melons and 6 apples.

E Ward.—198 bags of wheat, 30 lbs. of onions, 901 mangoes, 635 plantains, 31 lbs. of grapes, 46 apples, 30 pears, 26 guavas, 22 water-melons and 9 oranges.

F Ward.—16,107½ lbs. of meat, 561 mangoes, and 300 plantains.

G Ward.—506 lbs. of fish (fresh), 60 lbs. of dressed fish, 159 lbs. of meat (raw), 3 lbs. of dressed meat, 6 lbs. of dried fish, 44 lbs. of wheat flour, 36 lbs. of bajri flour, 14 lbs. of bran, 4 lbs. of parched grain, 307 plantains, 591 mangoes, 134 water-melons, 39 sweetlimes, 13 cucumbers, 96 lbs. of onions and potatoes, 8 lbs. of tomatoes, 18 lbs. of mixed vegetables, 40 lbs. of sweetmeats, 5 cocoanuts, 6 seers of milk, &c.

Meat Supply in Bombay.

Early in 1911 I submitted to the Municipal Commissioner a Report by Dr. Goldsmith on the Meat supply in Bombay.

In this Report, amongst other things, reference was made to the insanitary condition of the Slaughter-houses at Bandora. The conditions under which animals are killed and the meat dressed for sale call for early reform.

A more urgent matter perhaps is the manner in which animals are kept there and in which they are killed and inspected.

The Report describes in detail these conditions, and there is very little doubt that much should be done to lessen the sufferings of the animals destined for slaughter.

It is in the method of inspecting the meat for diseased conditions and in the transport of the meat that alterations are most urgently needed. The method of inspection described in the Report is unquestionably more or less useless and could, without any appreciable increase of risk to the public, be dispensed with altogether. It has been clearly pointed out that this state of affairs is not due to the neglect or fault of any particular individual, but to the faulty system in vogue as regards hours of slaughter, method of dressing the meat and to great under-manning of the superior staff at the Slaughter House. Remedial measures have been proposed in detail including the construction of a modern Slaugher House, alteration of the hours of slaughter and the provision of a competent Veterinary Staff to inspect each and every animal prior and subsequent to slaughter. Alterations in the existing method of transport are provided for in the proposal for a modern Slaughter House and these alterations include both transport in the Slaughter House itself and between it and the City of Bombay. The proposals in this connection are perfectly feasible and indeed are in operation in many cities in the West, and the sooner the Slaughter Houses and the subsidiary trades are placed under the control of a whole time expert, the better for the meat supply of the City. Work of this nature cannot be undertaken and properly carried out by a Sub-Inspector. The existing transport into Bombay by bullock wagons should be abolished and arrangements entered into with the Railway Companies to run meat in by train in properly constructed dust-proof wagons.

The Report further shows that the arrangements for the retail disposal of the meat, when it has been received into Bombay, are about as primitive and bad as they could be. The Vendors sit and lounge in the midst of the flesh exposed for sale; the benches are badly designed and constructed and the arrangements for cleansing the same totally inadequate—and no provision appears to exist for the proper collection and disposal of the waste meat and general refuse from the stalls. The remedial measures are simple and for the most part inexpensive, and I am pleased to record that in the period since my Report was submitted, many improvements have been effected in the principal Municipal Markets, owing to the exertions of the present Superintendent of Markets. Much more, however, remains to be done, but as these measures involve expenditure, doubtless some little time must elapse before they are introduced. I would specially emphasize the necessity for a proper system of collection and disposal of market sweepings. Each stall should have its own refuse bin and the owner of the stall should be compelled to use it, and the Market Staff be responsible for the systematic and regular removal of the contents of the bins several times daily. This will not only tend to greater cleanliness in the Markets themselves but also will help to lessen the number of pariah dogs that usually abound in the Markets.

The Report further deals with the hawking of meat in the poorer quarters of the City. A very considerable trade of this nature is carried on under most unhygienic conditions. It is unquestionably a very difficult matter to control such a trade, but in my opinion the time has come when some measure of control should be exercised. Certain reasonable proposals have been made in the Report—and should be carried into effect when the other reforms have come into operation.

Finally, the Report deals with the extensive trade in contraband beef imported by various routes into Bombay. This trade, which is chiefly in meat of a very inferior quality and often semi-putrescent, appears to have been carried on in a more or less open manner, chiefly as the result of want of supervision, combined with difficulties in bringing offenders to justice and to the lenient and frequently totally inadequate fines inflicted upon conviction. Additional legal powers are being sought to overcome the existing difficulty of bringing offenders to the Magistrates. With this there should be provision for a minimum fine and a progressive scale of fines for each and every subsequent offence.

Licensed Eating Houses of Bombay.

As the result of a detailed enquiry instituted by me it was found that the condition of the licensed Eating Houses was extremely bad,—many of them being in a grossly insanitary condition, and the majority insufficiently lighted and ventilated.

In my Report to the Municipal Commissioner on the subject I advised that the Commissioner of Police be approached, as in his hands the issue of licenses lies.

This was accordingly done, and as a result of the negotiations which ensued, no new license is now issued by the Police except in consultation with this Department.

This is a most desirable advance in the proper direction, as, on receipt of intimation of application for a license from the Police in respect of any premises, the Deputy Health Officer concerned and one or other of my Assistants visit the premises and reports on the desirability or otherwise of the place being licensed, taking into consideration lighting, ventilation, proximity of sanitary conveniences, etc., and in addition, certain conditions are mentioned to the Police Commissioner as being necessary to be carried out prior to the issue of a license; these include (*a*) provision for the adequate protection of food from dust, flies, etc.; (*b*) proper receptacles for the cleanly storage of water, rendered necessary owing to the intermittent system of supply existing in Bombay; (*c*) provision of tables covered with some impervious substance capable of ready cleansing, *e.g.*, marble, slate or block tin or zinc; (*d*) provision of adequate arrangements for washing plates, dishes, cups, etc., and also of proper drainage of the same; (*e*) provision of receptacles for coal, coke or firewood and also of a sufficiently large receptacle for sweepings and waste food in general.

In practically every large City in the world, Eating Houses play an important part in the lives of the poorer working classes and the low-paid unskilled and unmarried populace, and, if one may judge from the number of houses licensed in Bombay, a considerable section of the inhabitants rely on such places for their daily food. This fact alone is sufficient justification for demanding that a certain minimum standard of sanitation should be compulsory and when we add to this the fact that, in common with most Oriental Cities, Bombay is annually visited with epidemics of Cholera and that Dysentery and Enteric are more or less endemic, the importance of protecting the food supply of the poorer inhabitants frequenting Eating Houses must be at once apparent, more especially perhaps as that section is of migratory habits in the main, and therefore the more likely to widely disseminate disease once contracted. It requires no great effort of imagination to conceive the possible effects of an attack of Cholera or Typhoid in the household or working staff of one of these houses that abound in the City. In this connection we must remember we are dealing with a class of native proprietors who, in general, are poor and uneducated and by whom a death from a preventable disease is looked upon as an every-day occurrence occasioning no particular comment, that they are ignorant and possessed of habits which in themselves are specially apt to spread disease once started and that usually their environments are such as to preclude any probability of the formation of a spontaneous desire to elevate and improve their condition.

For these reasons it is essential that supervision should be exercised over such Houses and that no Eating House be permitted in an insanitary dwelling and that even when the premises have been approved of, the small but necessary requirements detailed above should be insisted upon.

The recent system of co-operation with the Police has not been in force for a full year as yet, but I am pleased to record my opinion that a marked improvement has occurred and that in the case of all new licenses, only premises, free from sanitary defects, have been passed and that the proprietors have cheerfully responded to the demand for provision of proper receptacles for water, food, fuel, etc. In course of time, as a higher standard is more appreciated by the public, I hope to see a still greater improvement in the Eating Houses.

But, satisfactory as has been the assistance extended by the Commissioner of Police in regard to licensed Eating Houses, there still exist difficulties in the way of controlling Eating Houses in general, inasmuch as only a certain proportion are licensed by the Police; no license being required by the Commissioner of Police unless the proprietor proposes to keep his establishment open till a late hour in the evening (from 9 P.M. to 5 A.M.). Such unlicensed Houses are amenable to no discipline and it is a matter for the serious consideration of the Municipal Commissioner whether such places should not be required to take out a Municipal license, the Act being amended to enable such to be done. The manner in which the Act requires amendment has been pointed out in my No. 33675 of 7th February 1912 to the Commissioner.

Condition of Primary Schools in the City.

In May 1911, my Assistant Dr. Goldsmith prepared, at my request, a comprehensive Report on the Sanitary Condition of Primary Schools in the City.

A few extracts from it are given below indicating the salient points.

"The total number of Schools inspected was 125 distributed as under in regard to Ward in which the Schools are situated :—

A	B	C	D	E	F	G
7	23	14	12	23	13	33

"Judged from the most lenient of standards, the condition of many of the Schools is such as to call for early remedy; in fact, in some instances, in no single respect do certain Schools come up to even the low standard required.

"Of the total number examined, the following percentage fail to meet the minimum requirements mentioned under the various heads :—

Surroundings.	Cubic space per head.	Floor space per head.	Light and ventilation.	Closets.	Urinals.	Water supply.
39·2	61·4	61·8	16·8	61·6	84·0	81·6

"The Ward distribution of the above defective Schools is as shown under :—

Total observed.	Ward.	Surroundings.	Cubic space per head.	Floor space per head.	Light and ventilation.	Closets.	Urinals.	Water supply.
7	A	2	3	3	2	6	5	4
23	B	18	14	15	4	20	21	21
14	C	7	8	11	...	9	12	12
12	D	6	6	6	3	10	9	11
23	E	4	14	15	9	17	21	17
13	F	4	8	5	...	6	10	9
33	G	8	24	26	3	9	25	28

"The question of School hygiene and its importance in regard to the welfare of the nation is coming into prominence, as its far reaching influence is more fully appreciated by the Public. The latter now realise that attendance at School is necessary not only for the purpose of acquiring varying degrees of proficiency, in the subjects usually embraced by School curricula, but also, concurrent with the absorption of such knowledge, the student should learn how to *live*, in fact that he should acquire at least an elementary knowledge of personal and domestic hygiene and thus be enabled to appreciate his duties both to himself and family and also to his neighbours.

"For two reasons at least, therefore, School premises should be constructed and maintained in a high degree of efficiency; firstly, in order that the present and future health of the scholars may in no way be prejudiced, and secondly, that by the constant association of School life with order, cleanliness, good ventilation and general high standard of sanitation, the student may acquire, both by practice and precept, a knowledge of the value of such surroundings and be the better able to reach and maintain a similar standard in his own home and vicinity. Practically, all the great Cities of England are now spending large sums in educating a generation, who had not the advantages now offered to the Elementary School boy, imparting to them the simple fact that cleanliness, free ventilation and light are the three principal agents in reducing sickness and death-rates."

The Report then deals with the site of the Schools, their surroundings, cubic space per head, floor area, light and ventilation, sanitary conveniences, walls and floors, desks and cloak rooms, water supply and various recommendations.

"The position of the Schools Committee is unquestionably a difficult one. In the first place they have to provide School premises in certain Districts—premises easily accessible to all the children for whom they are intended. Secondly, these premises have to be found in spite of the known great overcrowding in the major portion of the City, and thirdly, the financial grants at their disposal are strictly limited.

"It cannot be denied that the majority of buildings used as Schools are defective in one or more essential points but it must be remembered that these buildings were not originally designed as schools, but are merely held on lease. At the present time, the Schools Committee are expending large sums in constructing buildings designed as schools, and doubtless due attention has been paid to the problems of light, ventilation and sanitary conveniences so as to embrace all the features of modern school construction.

"It is not possible, however, that the educational needs of the City can be met by new buildings in every instance, and consequently old buildings not specially designed as schools must continue to be used, and it is in respect of this type that a measure of reform is necessary.

"I would suggest that before a building is rented or leased for the purposes of a School, reference be made to the Executive Engineer and Executive Health Officer for a certificate that the premises are suited for the purpose. In granting this certificate or otherwise, consideration should be paid to the lighting, ventilation and provision of sanitary conveniences, and, in respect of ventilation, the certificate should state the maximum number of scholars permissible in each room, on the lines of the C. L. Houses Act of England. In estimating this number, the present standard of the Bombay Schools Committee may be followed, *viz.*, 10 square feet and 90 cubic feet per head where free and adequate ventilation is available. Intelligent co-operation on the part of the teachers is also necessary, as there are many instances of rooms in the same building in which the number of scholars in each room is in more or less inverse ratio to the respective cubic capacities of the rooms. This is merely want of supervision and co-operation; while there would be still room for this, the system of certifying the maximum capacity of each room would serve to prevent the existing gross overcrowding.

"In regard to lighting, great attention should be paid not only to the intensity of the light but also to the source in relation to the students. The certifying Officer should express an opinion as to the sufficiency thereof and also state the most suitable method of arranging the scholars, with a view to obtaining left light, if possible, and of avoiding what is so frequently seen, front light. In any room it is quite as easy to conduct a class on proper lines as on wrong ones, given initiative and knowledge on the part of the teacher. Where these are non-existent, the certifying Officer can supply the necessary information.

"In regard to sanitary conveniences, it is of the first importance that no building should be certified until adequate provision of seats and urinals has been made. In mixed Schools these must be separate. In connection with the use of privies, &c., much more severe discipline is necessary and no false and hypothetical religious scruples should be held to condone misuse of such conveniences. Until the youth of the City is made not only to understand the proper method of use, but also to put such into practice, we cannot hope to derive the full measure of benefit that should follow the introduction of Western methods of removal of excreta.

"In regard to the Schools already in the occupation of the Schools Committee, I consider that each one should be again visited by the Deputy Health Officer and the Assistants to the Health Officer with a view to certifying those that are suitable and recommending vacation of the worst buildings: this to be done in conjunction with a representative of the Schools Committee.

"The method of storage of water in practically all the Schools is objectionable and the Water Engineer should be requested to propose a suitable scheme of storage of drinking water in Municipal aided Schools.

"The erection of new Schools should be conducted on special lines, as it is quite possible, while complying in every detail with Municipal by-laws, to erect a building totally unsuited for the purpose. A separate standard in regard to air, space and lighting should be laid down."

In June 1911, I addressed the Commissioner on the question of the General Public Health Administration of the City, pointing out what has been done during the past 10 years, and suggested action for the further improvement of Public Health. My letter was to the following effect :—

During the past few years, the sanitary condition and the health of the City have somewhat improved. The Conservancy system and control of epidemic diseases run fairly smoothly. It is therefore my duty to bring to the notice of the Corporation any further influences affecting Public Health. I requested my Assistant Health Officers to collect information and compile reports on—

(1) The Markets and Slaughter House and Meat Supply.

(2) The Condition of the Eating Houses.

(3) The Condition of the Elementary Schools.

I have already forwarded to you a Report on the Market and Meat Supply, and have now the pleasure of submitting Reports on the Condition of the Schools and the Eating Houses in Bombay, very ably prepared by my Assistant Dr. Goldsmith.

It will be seen that these Reports cover a lot of ground and have taken some time to prepare as they could only be done at intervals, and a large amount of information had to be collected in the midst of other duties. During the collection of this information and the preparation of the Report, Dr. Goldsmith has consulted me and I agree with him in his recommendations.

I feel that these subjects are matters which should have the attention of the Corporation, and, although they are questions which will naturally take time before they reach that state of perfection to be desired, a start should be made; and, if our recommendations are adopted, much can be done to improve the condition of the Eating Houses and the food supply and the surroundings of the children in School.

Medical Inspection of School-children.

I now bring to your notice the necessity there is for adopting what is considered one of the most important measures of Public Health, *viz.*, the Medical Inspection of School-children.

Medical inspection at School concerns the State, the Public Health and the Individual.

The State requires a physical census of the children for the discovery of unrecognized defects, partly with a view to the improvement of the national physique and partly with a view to the preparation of all children for school life. It is also a national duty to arrange for the classification of children according to their mental capacities, and to adopt the educational system to the requirements of the several groups of children, in order to diminish the present economic wastage of misdirected educational efforts.

It is the duty of the local authorities to protect the individual against communicable diseases in School, to supervise School buildings, and to secure healthy surroundings for the School child.

Owing to ignorance, neglect, or apathy on the part of parents, it becomes a requirement of the merest humanity to bring medical aid and special educational methods within the reach of the individual child.

These aims and ideals can only be attained by the introduction of a system of routine inspection of the children by medical men interested not only in public health but also in education.

Its Aims.

School Hygiene may be regarded as the latest development of education in its more comprehensive aspects; it is the initial step in a great scheme of progress—a scheme which involves the improvement of the existing conditions of mental, moral, and physical development of the children. The scheme also aims at the prevention of disease in childhood, and at raising the standard of the national physique. Its final goal is the development of a science of education itself. These aims are definite and practical, and may be summarized under the following heads :—

(1) Routine Medical Inspection;

(2) Physiology and Psychology of ordinary Educational Methods, &c.;

(3) Special educational methods for abnormal children of all the many different types—the mentally and physically defective, the dull and backward, the blind, deaf and the debilitated, &c.;

(4) Scientific supervision of school methods, *i. e.*, of nursery schools, school furniture, buildings, baths, douches, ventilation, lighting, &c.

(5) Physical Education, including supervision of manual training, gymnastic exercises, organized games, dancing, &c.;

(6) Teaching of Hygiene to teachers and others; and lastly

(7) Prevention of Infectious Diseases and attention to the sanitary condition of the premises.

The duties of Medical Inspection are—

1. To examine every child about the time of its admission to an Infant School, as to cleanliness and as to its obvious physical defects. This first examination should be conducted in the presence of parents and guardians.

2. To examine in detail every child about the time of transference to the upper School, that is about seven years of age, and to decide what special educational training (if any) is suitable to the child.

3. To visit and inspect all Classes once or twice a year, both as regards the general health and physique of the children and also as regards the conditions under which they are working, namely, the ventilation, lighting, &c., on the one hand and the amount and kind of work, over-pressure, fatigue, physical exercises, manual training, &c., on the other hand.

4. To make special visits to the boys' and girls' departments once a year for the purpose of examining all children suffering from defective vision and to report upon Eye Disease generally. The teachers should test the vision of all children once a year, but the doctor's examination can scarcely be undertaken at the time of his visits for other work, except in very small Schools.

5. To supervise the work of nurses with regard to ringworm, vermin and skin affections, and to visit each School once a week or once a fortnight for the general examination of special children selected by the teacher or nurse.

6. To advise the Schools Committee upon various points of Hygiene bearing upon educational matters, and to give definite instructions about the care of the delicate and defective children.

7. To give lectures to teachers and others upon School Hygiene and elementary Physiology.

8. To deal with the question of medical certificates of absence given by other practitioners. This duty might be combined with the weekly visit to the Schools.

It is stated in the Report of the Chief Medical Officer to the Board of Education, England, that more than 80 per cent. of the children are suffering from defective teeth, that 50 per cent. are affected with vermin or other parasitic conditions, 20 per cent. with defective vision and that 10 per cent. are retarded in their educational progress by physical defects, such as anæmia, general debility, and deafness resulting from adenoid growths, or discharging ears; in addition to these, in India, Malaria, Enlarged Spleen, Intestinal Diseases and Worms, &c., will have to be considered.

As long as there are in the Schools such children as those which have been described, so long the necessity for systematic health inspection is obvious from all points of view. In other words, medical inspection in the elementary Schools is necessary because the parents are ignorant. It is only a means to an end, and at present the end is the education of the people. Indeed it has been argued, that it devolves upon the State at the present day to make good its defective training and education of the parents, during the last twenty or thirty years, by directing a system of health inspection towards the education of parents and children alike. For, if all parents had been taught the elements of healthy living and were able to recognize the presence and to realize the importance of physical disabilities and defects in their children, systematic health inspection would, theoretically, be out of the question. Medical advisers to local Education Authorities would still be necessary, and little more.

But, as matters stand to-day, the interference of the State is essentially justified by the large amount of preventible and remediable defects among School children. These defects are unrecognized either by teachers or parents, and can only be discovered by systematic medical inspection.

The problem Bombay

If the work of School medical inspection is of such value in England, it must be doubly valuable in India, as, in addition to the minor ailments and physical defects which would come under notice, and advice given to the parents regarding prevention and treatment, the control of Infectious Diseases and Tuberculosis and Malaria would be of immense benefit to the Public Health conditions of the City.

In Bombay, we have 239 Primary Schools—both Municipal and Aided—with about 25,000 pupils; and over 200 such unaided Schools with more than 13,000 pupils.

The population of children of school-going age is about 112,000, thus leaving about 74,000 children who do not attend school and who could not be at present brought into this scheme.

Thus 38,000 pupils are a very considerable proportion of the City's school-age population, and the need for a measure that will help to improve the health and physical condition of such a large number of our future citizens requires no emphasis, whether from the standpoint of

Public Health or Education. The need is all the greater as the mass of poor and ignorant population is so much larger and the elementary laws of health and hygiene are so ill-understood.

I would not suggest that the Schools Committee of the Bombay Municipality rush at once into a large staff of Medical Inspectors, as is done in England, but gradually adopt a scheme which would lay the foundation for future development.

In England the cost of School medical inspection is about 1 shilling per head of the average school attendance. I estimate that a beginning could be made in Bombay at a cost of about annas six per head, if the work is done by the Health Department.

The work to be done and the results to be achieved are of such value to the future generation that I would be willing to assist by lending the services of one of the Assistant Health Officers or Deputy Health Officers, for part of their time, as the Chief Medical Inspector and the assistance of the District Registrars and their Dispensaries in order to make a beginning.

In England the Medical Officer of Health in all the large towns and counties is now also School Medical Inspector on increased salary and under him the local Health Officer as Assistant Medical Inspector.

There will be a large amount of inspection as well as clerical labour and correspondence and this cannot be done by the staff of the Health Department without considerable assistance, as it is already over-burdened. But the question is so intimately connected with the Public Health of the City, that I consider it cannot be divorced from it and in order that a start should be made, the Health Department is prepared to take on this extra work. The Officers mentioned would be willing to undertake the work for an increase in their pay. The alternative would be to appoint a separate Medical Officer who has had experience in School Hygiene and two or more full-time Medical Officers with suitable office and staff with several Lady District Visitors and Nurses making a separate Department altogether, but this would be more expensive.

Work done by the Department. Appreciation.

The demands on the Health Department were, during the year under review, more numerous than in previous years, especially on the Conservancy of the City.

The Census of Bombay in 1911 was undertaken by the Health Department.

The visit of the King-Emperor and Queen-Empress brought into the City a large influx of people and strenuous efforts were made to keep the City clean. This was especially done under the supervision of Chief Inspector Underdown and the Conservancy and Sanitary Inspectors of the City.

The Old Bombay Exhibition and its surroundings with the unceasing stream of visitors and presence of many Regiments of Cavalry, Artillery and Infantry encamped in the different parts of the City, increased the work considerably.

The increase in the number of Motor Waggons for the removal of refuse and the disappearance of many dust-bin carts was a feature of the year.

The amendment of the law relating to Bake Houses and Aerated Water Factories and the regulations in respect of Eating Houses are now in force. The result of the working of the Act can, however, only be gradual.

If there has been an improvement in the Conservancy of the City, the same cannot be said of the other and equally important parts of Public Health Administration.

For years we have been agitating for a more rapid method of disposal of refuse by Incinerators, but nothing has yet been settled.

For years we have been asking for an amendment of the Foods and Drugs Act and the protection of the Milk Supply but the question still drags on.

The Bye-laws regulating the control and construction of Milch Cattle, Bullock and Horse Stables still remain in Committee.

The necessary amendment of the Act in regard to the Registration of Births and Deaths has been before the Corporation for many years and is brought up from time to time but still remains in Committee.

A slight improvement is noticeable in the inquiry into the Cause of Death and the Registration of Births, but this is due to the constant pressure brought to bear on the District Registrar and the work is still very unsatisfactory. The number of Certificates of Cause of Death received from Qualified Medical Practitioners is still very small.

I have in my previous Reports mentioned that the duty of the Deputy Health should not end with his routine morning visit and office work, but that he must act Health Officer of a Ward and enquire and investigate, initiate and suggest improvem the Public Health Administration of his Ward.

The Deputy Health Officers should try and expand their sphere of work and br to bear a spirit of emulation, so that the different Wards will vie with one another in the provement of their sanitary condition.

The assistance given by the two Assistants to the Health Officer in collecting materials Reports is very valuable, as also in the visits of inspection daily in the Districts, and it wo be impossible to carry on without it. But what I want to see is more initiation.

Dr. Goldsmith prepared during the year Reports on Meat Supply, Primary Schools a Eating Houses, and in conjunction with Dr. Sorab remodelled the proposed amendments in the Stable Bye-laws and in those relating to Smoke Nuisance and the amendment of the Act necessary to give effect to the recommendations of the Committee on Malaria.

In conclusion, I would like to mention that although the progress is very slow, it is sure, and to the willing co-operation of the Assistants and of the Deputy Health Officers, District Registrars and the Inspectorial Staff this is chiefly due.

The work of Vaccination, the measures for Malaria and destruction of Rats have been efficiently carried out, as far as possible, under the circumstances. The work of the Dispensaries continues to be a great benefit to the poorer classes and the visits of District Nurses are welcomed.

The work in the Municipal Laboratory has increased considerably and has been carried out efficiently.

The work of the Health Department has increased very much of late years not only in the out-door work, but also in the amount of Clerical labour in all the offices. The Clerical Staff has worked unceasingly both in the General and the Accounts Branches, while the efficiency of the Registration Branch is, if anything, greater than before.

PUBLIC HEALTH DEPARTMENT,
BOMBAY, 10*th April* 1912.

J. A. TURNER, M.D., D.P.H.,
Executive Health Officer.

Report of the Analytical and Bacteriological work done in 1911.

I have the honour to submit the following report of work done in the Municipal Laboratory during the year 1911 :—

GENERAL.

5,198 articles were examined during the period under report giving a daily average of samples examined as 14·24. There has been a gradual and steady increase in the work year by year, as will be seen from the following figures of the last six years :—

3,037	articles	examined	in 1906.
3,019	„	„	in 1907.
3,754	„	„	in 1908.
5,089	„	„	in 1909.

4,502 articles were examined in 1910 (this slight decrease is owing to the death of the late Analyst, Dr. B. P. Ghadially, and the post of the Analyst having remained vacant from 21st April 1910 to 18th May 1910 and 1st July 1910 to 10th July 1910).

5,198 articles were examined in 1911. As far as figures can tell, it will be seen that during the last three years, the work has nearly doubled, the figures for 1911 exceeding those of any other previous years. Out of the 5,198 articles examined, 3,669 were for bacteriological examination and 1,529 for chemical analysis ; this includes the examination of Bombay waters, of which 1,535 samples were examined—1,254 bacteriologically and 281 chemically—including the 16 samples of Powai Lake water (9 bacteriologically and 7 chemically). The analysis of Powai Lake water was carried on at the request of the Hydraulic Engineer to see if Powai water could be used for drinking purposes to supplement the Vehar supply. It may be mentioned that the collection of samples of Bombay waters, with the exception of Lake waters, which was hitherto done by the Water Department, has been undertaken by this office, so that the samples may be collected carefully and in a proper manner by trained men from the Laboratory staff.

In all there were three samples of milk for chemical analysis—one for ordinary chemical analysis and two for chemical analysis as well as for preservatives,—the former was from Medical Officer-in-charge Maratha and Arthur Road Hospitals and the latter from the Executive Health Officer. There were also 199 samples of milk from the Deputy Health Officers, including the four samples from the Executive Health Officer for the detection of Tubercle Bacilli. Acid fast bacilli resembling Tubercle Bacilli were detected in eight samples only.

There were eleven samples of ghee for chemical analysis, of which 5 were genuine 2 fair and 4 not genuine.

Thirty-eight samples of oil were received, of which 13 were from the Municipal Storekeeper from supplies received by him from contractors, 1 from License Superintendent and the remaining from Health Department Officers ; the one from License Department was tested for flash point only, and out of the remaining examined chemically, 4 were genuine, 7 not genuine and 26 fair.

In addition to the oil sample referred to above from License Department, a sample of varnish was also received for flash point and also a sample of liquid fuel, the latter from the Health Officer.

There were 2 samples of syrup and one of colour for the detection of mineral poisons ; these were received from C Ward, and it was stated that these were used in colouring and sweetening by hawkers who sell ice-balls on roads ; the tests for mineral poisons were negative.

469 samples of well waters were examined chemically, of which 24 were found to be fit and suitable for potable purposes, 16 fair, 53 suspicious, 25 objectionable on account of the high amount of Total solids or of chlorine and the rest 351 were all unfit for drinking purposes. All the opinions expressed on the above are from a chemical point only ; this is the highest number of well waters examined in a year hitherto at this Laboratory, and is probably due to the anti-malarial measures now being carried on in the City.

There were 5 samples of waters, 8 of tank waters, 1 of Merewether tank, 4 of sod for chemical analysis; excepting the four samples of waters which were other than Mun the rest were all from Municipal Officers.

In connection with the analysis of food stuffs, there were 4 samples of butter, 7 vinegar, 16 of tea, 12 of coffee, 15 of bread, 1 of rice, and 119 of flour for chemi analysis; excepting the rice which was only for physical examination.

A sample of magnesium sulphate was received from C Ward to test its standard purity according to the British Pharmacopœa.

Six samples of soap, and six of fat were examined; these were also from the Deputy Health Officers; the analysis of the latter was in examining the colour of fat approved of by the Health Officer, before it is sent out from Chembur. A sample of yellow powder was sent to see whether the colour of the powder agrees with the colour approved of by the Health Officer in the colouring of the Chembur fat.

In connection with the examination of disinfectants, there were three samples of sulphur for chemical analysis and six of izal powder and six of izal fluid to test their bactericidal power on B. Coli. All these samples were collected by the Chief Inspector, D and E Wards, at the Municipal Chinchpoogli Stores out of the supplies received from the contractors as ordered by the Health Officer and were sent to this Office properly labelled and sealed.

Besides supplying Agar and sterile water to the Vaccination Department, 1,398 capillary tubes of glycerine vaccine were examined bacteriologically as to their sterility before being used.

282 samples of waters were examined for Cholera vibrio, and it was detected only in fifteen samples; 237 samples of waters were examined for Enteric, 207 for Gartners, 207 for B. E. Speregenes with negative results:—positive results were obtained for coli-like organism in all the 211 samples of waters examined for the same. The lowest figure reached for microbes per C. C. in 209 samples of water examined for the same was 28 in the case of a filtered sample of water, and 83 microbes per C. C. for an unfiltered sample of water in the month of August.

6,963 tins of Laboratory rat poison were prepared during the period, which with the balance of 554 tins of rat poison in hand on 1st January 1911, makes a total of 7,517. Of these 6,562 tins were issued, as usual, to the Health Department staff for use in different parts of the City, as follows:—

A Ward, 1,000 tins; B Ward 2,019 tins; C Ward 700 tins; D Ward 532 tins; E Ward 2,005 tins; F Ward 240 tins; G Ward 58 tins; Medical Officer-in-charge of Arthur Road and Maratha Hospitals 3 tins and Health Officer 5 tins. During the early period of October last about 550 tins were found to be deteriorated in quality on account, of the unfavourable climatic conditions. Experiments to bring it to its normal strength were made and being more or less effective, an attempt was made to renew the whole lot of 550 tins with the exception of 25 tins which were used up for experiments. Thus a balance of 930 tins was left in hand on 1st January 1912. 190 Mercurial Solution Jars were prepared which, with the balance of 22 in hand on 1st January 1911, makes a total of 212; and 167 jars were issued for the purposes of disinfection to the District Registrars, as follows, leaving a balance of 45 jars in hand on 1st January 1912:—

District Registrar	No. 1	... 32 jars.
Ditto	„ 2	... 10 „
Ditto	„ 3	... 15 „
Ditto	„ 4	... 15 „
Ditto	„ 5	... 9 „
Ditto	„ 6	... 14 „
Ditto	„ 7	... 10 „
Ditto	„ 8	... 35 „
Ditto	„ 9	... 20 „
Ditto	„ 10	... *Nil*
	Con. Inspector, E Ward, East	... 1
	Total jars issued...	167

Apart from the analysis of 509 samples of urine, there were one sample of deposit from sewer, one of gold leaf, 6 of milk for Cholera, 38 of sputum for Tubercle Bacilli, a sample of soiled clothing for Cholera, 2 of vomit for Cholera, 20 of milk for Typhoid, 4 for Septic

rrhagica, one of sputum for Myelin Cells, Lung tissue, etc., seven smears for Gonococci, mutton for pathological examination, three glandular specimens from a cow for Tubercle, i, one of blood for Leucocytes count and one of stool:

SPECIAL.

Special analysis of Bombay Lake waters was carried on with the following results and far as it can be ascertained such an analysis has never been undertaken before :—

Source of the sample from Lakes.	Grains per Gallon.							Parts per million.		
	Total Solids.	Calcium Carbonate.	Silica.	Iron and Aluminium Oxides.	Magnesium.	Sulphates as SO_4.	Chlorine.	Nitrites.	Free Ammonia.	Albuminoid Ammonia.
Vehar water taken on 1st May 1911 at 8 a.m.	9·9	1·6	·96	·5	·302	·276	·8	*Nil*	*Nil*	·202
Tulsi water taken on 1st May 1911 at 7-30 a.m.	8·7	1·6	·7	·5	·172	·299	·9	*Nil*	·032	·28
Tansa water taken on 1st May 1911 and received on 2nd May 1911.	8·2	1·24	1·6	·36	·33	·115	·7	*Nil*	*Nil*	·156

An analysis of two samples of ice was done but nothing particular was detected in them.

xamination for olera.

Some fatal cases of Gastro Enteritis having occurred during the early part of January 1911, the District Registrar, No. 3 District, in whose District the deaths occurred, sent 4 samples of fish and one of Bengal Leaf and all of them were examined with negative results for Cholera vibrio.

Examination of Mawa for Ptomaine Poisoning, etc.

In District No. 2, at Kolsa Moballa, at a wedding party, ice-cream was supplied to guests by a tea-shop keeper. Many of the guests who partook of it were severely or lightly attacked with Gastro Enteritis and several cases of "Ptomaine poisoning" were detected. The Deputy Health Officer, B Ward, examined the utensils used for the preparation of ices and found them in a proper condition, duly tinned; it was surmised that one ingredient called "Mawa" made of milk, used in the preparation of ice-cream might have contained some deleterious substance. A good many numbers of samples of Mawa and milk, chiefly obtained from Bhuleshwar, where they are sold on large scale, were sent by B Ward for the purpose of testing for "Ptomaine poison" and as such 270 tests of Mawa and 10 of milk were made for Cholera vibrio, Bacillus Typhosus, B E Sperogene, B. Coli, Coli-like (organism) Staphylococci, Streptococci with negative results for Cholera vibrio, typhoid, and sperogenes and those for the rest of the tests were all identically positive. As a result of this, the sale of unwholesome Mawa was stopped as far as practicable.

Malaria.

With a view of investigating into the prevalence of Malaria, in the different wards of the City, a circular was issued to the District Registrars, during the latter part of the year, to send blood films taken from patients treated, for "Fevers" at the Municipal Dispensaries. Out of 12,329 patients so treated (from January 1911) only 249 specimens of blood were received of which 33 specimens were too thick for examination. Demonstrations were given at this Laboratory to the District Registrars showing the manner in which the blood films were to be prepared. Malarial parasites were detected in 25 only, the type of detection being 22 Benign Tertian and 3 Malignant. Information as regards the administration of Quinine before taking the specimen was given only in 73; as regards Spleen being palpable or not information was availaible only in 73; in 149 samples mention was made whether t patient was adult or a child. The highest number of specimens examined were from B W There were only two specimens of blood from private sources for Malarial parasites, making the total number of blood films examined for Malarial parasites as 251.

The following table indicates the "Parasite-index" of the different wards in the City obtained from the examination of blood films taken from patients treated at the different Municipal dispensaries :—

Wards	Number Examined.	Number Infected.	Percentage of Infection.
A	44	7	15·90
B	69	9	13·04
C	59	4	6·77
D	4	.....	.....
E	37	3	8·10
F	3	2	66·66
G	*Nil*	.....	.....
Private...	2	.....	.....
Total ...	218	25	11·46

These figures are by no means complete in themselves as the number of blood films sent for examination were not in sufficiently large numbers to enable one to draw any definite conclusions therefrom. Leaving aside the figures for F Ward—as only three samples were examined—it would appear that the percentage of infection is greatest in A and B Wards.

Sixty-eight samples of waters were examined for the determination of the species of mosquito larvæ, and most of them were Anopheles—M. barbirostris, N. stephensi, and N. rossi—the chief detection was in F Ward, which was due to the greater number of samples received from that ward. In this ward, the commonest species of Anopheles larvæ seem to be N. rossi and M. barbirostris. Experiments in connection with larvicides as described in Dr. Bentley's report on Malaria were carried on, as far as possible, but further work could not be carried on for want of sufficient number of species of Larvæ.

Special experiments have been carried on for the isolation of B. Typhosus in drinking waters, and some of the experiments of Dr. Houston of London have been repeated and verified including some research work. All this work had however to be stopped for lack of time and proper assistance.

Needs of the Laboratory.

As has been pointed out already, the work of the Laboratory has nearly doubled itself during the last three years, while the strength of the staff has not been proportionately increased. In my six-monthly report ending June 1911, the desirability of the appointment of a Medical Assistant was fully discussed, including the necessity of enlarging the present Laboratory, and the Municipal Commissioner was pleased to make a note as follows :—

* * *

"Although the employment of a qualified Assistant is inevitable in the long run, I do not think he should be employed pending the question of extra staff for anti-malaria special work.

Extra space is, however, immediately necessary. The Executive Health Officer is requested to indicate to the Executive Engineer what can be done in the way of structure (temporary until the extension of the Municipal Buildings on the ground near the present Laboratory)."

I believe that plans are being prepared by the Executive Engineer for the proposed temporary extension of the present Laboratory, and I trust that the necessary funds will be sanctioned, as soon as possible, as our need for extra space is greater than ever.

The work of the Laboratory staff, on the whole, has been satisfactory notwithstanding some of the necessary changes in the staff during the year under review.

I have the honour to be,

Sir,

Your most obedient servant,

LEMUEL L. JOSHI, M.D., B.Sc., D.T.M.,

Municipal Analyst.

STATEMENT SHOWING THE NUMBER OF ARTICLES EXAMINED CHEMICALLY DURING THE YEAR 1911.

Received from	Well water.	Bombay waters.	Water.	Tank water.	Milk.	Ghee.	Oil.	Butter.	Vinegar.	Merewether tank.	Soda-water.	Fat.	Tea.	Coffee.	Bread.	Drugs.	Soap.	Flour.	Sulphur.	Urine.	Yellow powder.	Liquid fuel.	Varnish.	Milk for Preservation.	Syrup.	Colour.	Ice.	Rice.	Gold Leaf.	Deposit from Sewer.	Total.
Health Officer	...	5	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2	3	...	...	1	...	2	...	...	2	...	...	1	18
Deputy Health Officer, A Ward	...	25	...	...	...	...	1	11	...	...	...	...	...	5	1	...	...	...	19	...	...	...	...	...	...	...	...	1	...	...	68
Do. B „	...	121	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	39	...	...	...	...	...	...	...	...	...	...	...	161
Do. C „	...	102	...	...	2	...	1	...	1	...	...	...	...	...	...	...	1	...	18	...	...	...	...	...	2	1	...	...	...	...	125
Do. D „	...	126	...	...	3	...	3	2	3	...	...	2	...	1	2	7	...	...	6	...	...	...	...	...	...	...	...	...	...	...	155
Do. E „	...	86	...	...	2	...	2	1	...	2	...	...	...	1	1	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	98
Do. F „	...	3	...	1	...	...	2	4	...	2	...	1	6	5	3	3	...	2	19	...	...	1	...	...	...	...	...	...	...	...	52
Do. G „	...	6	...	...	1	...	2	4	...	3	...	1	...	4	5	5	...	2	19	...	...	...	...	...	...	...	...	...	...	...	53
Medical Officer, Maratha & Arthur Road Hospital.	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2
Executive Engineer	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Municipal Analyst and Water Engineer	...	276	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	276
Storekeeper	...	...	...	...	...	...	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
License Superintendent	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	2
Private	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	509	...	...	...	...	...	...	...	...	...	...	513
Total	469	281	5	8	1	11	33	4	7	1	4	6	16	12	15	1	6	119	3	509	1	1	1	2	2	1	2	1	1	1	1,550

STATEMENT SHOWING THE NUMBER OF GHEE SAMPLES EXAMINED CHEMICALLY DURING THE YEAR 1911.

Received from	Genuine.	Fair.	Not genuine.	Total.
Deputy Health Officer, A Ward	...	...	1	1
Do. B „	...	...	...	...
Do. C „	1	...	...	1
Do. D „	2	...	1	3
Do. E „	2	...	...	2
Do. F „	...	1	1	2
Do. G „	...	1	1	2
Total ...	5	2	4	11

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911.

Serial No.	Received from	Situated at	Opinion as regards potability from chemical point.
1	Deputy Health Officer, B Ward ...	393—413, Shaik Memon Street	Unfit.
2	Do. do. E do. ...	107 B, Mount Road	
3	Do. do. E do. ...	To South, No. 5 Gunpowder Road	
4	Do. do. C do. ...	90—92, Nizam Street	
5	Do. do. B do. ...	10, Vithalvadi	Suspicious.
6	Do. do. B do. ...	85—87, Champavadi	Unfit.
7	Do. do. E do. ...	1—7, Chinchpoogli Road	
8	Do. do. B do. ...	42, I Ganeshwadi	
9	Do. do. B do. ...	466, Jackeria Musjid Street	Suspicious.
10	Do. do. E do. ...	14—16 and 20, Nesbit Road	Unfit.
11	Do. do. E do. ...	22, Mazagon Road	
12	Do. do. C do. ...	5, Harjivan Desai Vadi	
13	Do. do. C do. ...	16, Anant Vadi	
14	Do. do. B do. ...	17—19, 2nd Agiary Cross Lane	
15	Do do. E do. ...	2, Mazagon Road	
16	Do. do. B do. ...	381—385, Dongri Street	
17	Do. do. D do. ...	Between 12 and 13, Girgaum Road	
18	Do. do. E do. ...	6, D'Lisle Road Cross Lane	
19	Do. do. B do. ...	2—10, Garibdas Street	
20	Do. do. F do. ...	Ghamat's Chall	
21	Do. do. E do. ...	Wari Bunder Cotton Press...	
22	Do. do. E do. ...	34—68, Gilder Street	
23	Do. do. B do. ...	64—70, Old Hanuman Lane	
24	Do. do. D do. ...	Arya Samaj Kakadvadi	
25	Do. do. D do. ...	40—42, Warden Road	
26	Do. do. D do. ...	13, Procter Street	
27	Do. do. B do. ...	163, Kalbadevi Road	Suspicious.
28	Do. do. B do. ...	99—101, Do.	
29	Do. do. B do. ...	39, 41, 43 Dhanji Street	
30	Do. do. B do. ...	165—167, Kalbadevi Road...	Unfit.
31	Do. do. B do. ...	371—373, Do.	
32	Do. do. B do. ...	33—39, Old Hanuman 1st Cross Lane	
33	Do. do. B do. ...	92, Champavadi	
34	Do. do. B do. ...	12—16, Kambekar Street	
35	Do. do. B do. ...	283—293, Janjiker Street	
36	Do. do. D do. ...	219—221, (8, 9, 10 and 11) Girgaum Back Road..	
37	Do. do. E do. ...	76, Gilder Street	
38	Do. do. E do. ...	31, Tank Bunder Road	
39	Do. do. B do. ...	37—41, Kazi Sayad Street	
40	Do. do. B do. ...	111—117, Samuel Street.....	
41	Do. do. B do. ...	292—294, Shaik Memon Street	

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911—*contd.*

Serial No.	Received from	Situated at	Opinion as regards potability from chemical point.
42	Deputy Health Officer, E Ward ...	69, Masagon Road	Unfit.
43	Do. do. E do. ...	24, Clerk Road	
44	Do. do. E do. ...	46—47, Morland Road	
45	Do. do. E do. ...	72—74, Gilder Street	
46	Do. do. A do. ...	79, Apollo Street	
47	Do. do. E do. ...	Of Mr. J. B. Pressvala	
48	Do. do. B do. ...	229—231, Kalbadevi Road...	
49	Do. do. B do. ...	41—47, Old Hanuman 1st Cross Lane	Suspicious.
50	Do. do. B do. ...	88—90, Kazi Sayed Street...	Unfit.
51	Do. do. B do. ...	195—201, Pydhoni Road	
52	Do. do. E do. ...	Falkland Bridge North 603	
53	Do. do. E do. ...	105, Ghorupdeo Road	
54	Do. do. B do. ...	8-14, Sutar Chawl & 185-201, Shaik Memon Street	
55	Do. do. B do. ...	5, 2nd Agiari Cross Lane	
56	Do. do. B do. ...	56—60, Old Hanuman Lane	
57	Do. do. B do. ...	86—88, Princess Street	Fairly good.
58	Do. do. E do. ...	421, Duncan Road	Unfit.
59	Do. do. E do. ...	120, Stables Tank Road	
60	Do. do. E do. ...	24, Nesbit Road	
61	Do. do. B do. ...	42, I Ganesh Vadi	
62	Do. do. E do. ...	South-East to 105 Ghorupdeo Road	
63	Do do. E do. ...	22, Love Lane	
64	Do. do. E do. ...	9, Parsi Club Sleater Road...	
65	Do. do. B do. ...	12, Hari Joshi Vadi	Fairly good.
66	Do. do. E do. ...	No. 2 Well at 659 Tardeo Road	Unfit.
67	Do. do. E do. ...	No. 1 Do. do. do.	
68	Do. do. C do. ...	126—128, Fanaswadi Lane	
69	Do. do. C do. ...	Do. do. do. Centre	
70	Do. do. B do. ...	33—35, Shamshet Street	
71	Do. do. E do. ...	394, Roberts Club Falkland Road	
72	Do. do. B do. ...	47—51, Shaik Memon Street	
73	Do. do. E do. ...	231, Stables Bapty Road	
74	Do. do. B do. ...	140—148, New Hanuman Lane	
75	Do. do. B do. ...	10—14, Oval Wadi	
76	Do. do. B do. ...	47, Kazi Sayad Street	
77	Do. do. E do. ...	18—22, Tank Road	
78	Do. do. E do. ...	S.-E. to 38 Mount Road	
79	Do. do. E do. ...	902, Parel Road	
80	Do. do. C do. ...	138—140, Kalbadevi Road	
81	Do. do. C do. ...	201—207, Girgaum Road	Suspicious.
82	Do. do. E do. ...	Of Mr. Tapidas Varjdas	Unfit.

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911—*contd.*

Serial No.	Received from	Situated at	Opinion as regards potability from chemical point.
83	Deputy Health Officer, B Ward ...	121-129, Chinch Bunder Road	
84	Do. do. E do. ...	8, Mazagon Road	
85	Do. do. C do. ...	Cavel Street, Hindu Temple	
86	Do. do. E do. ...	36, Balaram Street	
87	Do. do. E do. ...	Parsi Fire Temple, Sleater Road	
88	Do. do. G do. ...	C. 509-509 F., Mahim Agar	
89	Do. do. E do. ...	2 Tank Bunder Road	
90	Do. do. E do. ...	Wool & Cotton Cleaning Factory, Bellasis Road	
91	Do. do. D do. ...	28, 7th Khetwadi Lane	
92	Do. do. D do. ...	7, Mugbhat Cross Lane	
93	Do. do. D do. ...	42, Kandewadi	
94	Do. do. D do. ...	23, Khataralli	
95	Do. do. D do. ...	33, Mangelwadi, Girgam Road	
96	Do. do. B do. ...	89—91, Vithalwadi	
97	Do. do. B do. ...	149-151, Do.	
98	Do. do. D do. ...	6, Damar Lane	Unfit.
99	Do. do. D do. ...	1—2, Girgaum Road	
100	Do. do. D do. ...	70, Mugbhat Lane	
101	Do. do. D do. ...	58, Do.	
102	Do. do. D do. ...	5, Cow Lane	
103	Do. do. E do. ...	603, Falkland Road	
104	Do. do. E do. ...	Compound of London Hotel, Grant Road ...	
105	Do. do. D do. ...	5th Lane, Khetwadi No. 13	
106	Do. do. D do. ...	6th Do. No. 15—25	
107	Do. do. D do. ...	2nd Parsivada, No. 8	
108	Do. do. D do. ...	27, 1st Parsivadi	
109	Do. do. D do. ...	21, 2nd Do.	
110	Do. do. D do. ...	213—215, Girgaum Back Road	
111	Do. do. D do. ...	26, Khota's Vadi	
112	Do. do. D do. ...	533, Girgaum Road	
113	Do. do. D do. ...	30, Khataralli	
114	Do. do. C do. ...	23, Anantwadi	Suspicious.
115	Do. do. C do. ...	31, Do.	Do.
116	Do. do. D do. ...	1, Damar Lane	Unfit.
117	Do. do. D do. ...	27, Do.	
118	Do. do. C do. ...	31, New Wadi	Unfit.
119	Do. do. C do. ...	19, Do.	Suspicious.
120	Do. do. D do. ...	133—137, Girgaum Back Road	Unfit.
121	Do. do. D do. ...	Do.	
122	Do. do. E do. ...	59, Tardeo Road, Sub No. 2	
123	Do. do. C do. ...	5, New Wadi	

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911—*contd.*

Serial No.	Received from	Situated at	Opinion as regards potability from chemical point.
134	Deputy Health Officer, C Ward ...	35, New Wadi	Unfit.
135	Do. do. C do. ...	129, Girgaum Road	
136	Do. do. C do. ...	133, Do.	Fit.
137	Do. do. C do. ...	11, Popatvadi	Suspicious.
138	Do. do. C do. ...	17, Do.	Unfit.
139	Do. do. C do. ...	17, Girgaum Road	
130	Do. do. C do. ...	59-61, Do.	
131	Do. do. B do. ...	160-164, Old Hanuman Lane	
132	Do. do. C do. ...	55-59, Kolbhat Street	
133	Do. do. C do. ...	62, Dadiset Agiari Street	
134	Do. do. C do. ...	113, Do.	Suspicious.
135	Do. do. C do. ...	245, Girgaum Road...	Unfit.
136	Do. do. A do. ...	12-14, Pitha Street	
137	Do. do. C do. ...	55, Popatvadi	
138	Do. do. C do. ...	22, Vanka Mohalla	
139	Do. do. G do. ...	Mahim Lohar Chal, north of Mahadev's Temple	
140	Do. do. C do. ...	10, Bopa Lane	Unfit.
141	Do. do. C do. ...	111, Girgaum Road	Slightly suspicious.
142	Do. do. G do. ...	470D, Mahim	Unfit.
143	Do. do. C do. ...	59, 3rd Marine Street	
144	Do. do. C do. ...	12, Sonapur Cross Lane	Suspicious.
145	Do. do. C do. ...	55, 3rd Marine Street	Unfit.
146	Do. do. C do. ...	21, Do.	
147	Do. do. C do. ...	29-31, Trinity Street	Suspicious.
148	Do. do. C do. ...	51-53, Do.	Fit.
149	Do. do. E do. ...	393, Falkland Road...	Unfit.
150	Do. do. E do. ...	107-109, Tardeo Road	
151	Do. do. D do. ...	10, Bhatvadi, 2nd Lane	
152	Do. do. D do. ...	14A, Do.	
153	Do. do. E do. ...	70-76, D'Lisle Road...	
154	Do. do. A do. ...	122-124, Cawasji Patel Street	
155	Do. do. A do. ...	116-120, Do.	Suspicious.
156	Do. do. A do. ...	106-108, Do.	Unfit.
157	Do. do. B do. ...	241-243, Kalbadevi Road	Suspicious.
158	Do. do. B do. ...	456-458, Abdul Rehman Street	Unfit.
159	Do. do. B do. ...	4-6, Daji Street and 1-3 2nd Agiari Lane ...	
160	Do. do. B do. ...	127-129, Old Hanuman Lane	
161	Do. do. C do. ...	42, 4th Marine Street	
162	Do. do. C do. ...	10, 2nd Sonapur Lane	
163	Do. do. B do. ...	145-147, New Hanuman Lane	
164	Do. do. B do. ...	11-13, 2nd Agiari and 16, Dhanji Street... ...	

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911—*contd.*

Serial No.	Received from	Situated at	Opinion as regards potability from chemical p.int.
165	Deputy Health Officer, E Ward ...	43-45, DeLisle Road...	Unfit.
166	Do. do. E do. ...	87, Parel Road	
167	Do. do. D do. ...	48-50 Kandavadi	
168	Do. do. D do. ...	16, Do.	Fit.
169	Do. do. B do. ...	21-23, 2nd Agiari Cross Lane	Unfit.
170	Do. do. B do. ...	8-10, Dhanji Street	Suspicious.
171	Do. do. D do. ...	2-4, Borbhat Lane	Fit.
172	Do. do. D do. ...	4, Sadashiv Street	Unfit.
173	Do. do. E do. ...	233-265, Kalachowki Road	Fit.
174	Do. do. E do. ...	107B, Mount Road	
175	Do. do. E do. ...	27-29, 1st Carpenter Street...	Very suspicious.
176	Do. do. B do. ...	3-5, Vithoba Lane	Fit.
177	Do. do. B do. ...	10, Vithalvadi	Unfit.
178	Do. do. C do. ...	396-406, Lohar Street	Very suspicious.
179	Do. do. C do. ...	330-332, Do.	Unfit.
180	Do. do. D do. ...	27, Damar Lane	
181	Do. do. D do. ...	1, Do.	
182	Do. do. B do. ...	32-36, Kazi Sayad Street	
183	Do. do. B do. ...	98-104 Do.	
184	Do. do. B do. ...	46-66, Ganeshvadi	
185	Do. do. B do. ...	17-19, 2nd Agiari Lane	
186	Do. do. C do. ...	10-12, Popatvadi	
187	Do. do. D do. ...	777, Girgaum Road	
188	Do. do. E do. ...	6-24, Gunpowder Road	
189	Do. do. E do. ...	3, Hansraj Lane	
190	Do. do. F do. ...	Vincent Road, Owner Ratanbai, widow of T. R. Macji	
191	Do. do. C do. ...	605-607, Girgaum Road	
192	Do. do. C do. ...	603, Do.	Fair.
193	Do. do. B do. ...	225-227, Kalbadevi Road	Unfit.
194	Do. do. B do. ...	35, Mirza Street	
195	Do. do. C do. ...	366, Lohar Street	Suspicious.
196	Do. do. C do. ...	27, Trinity Street	Unfit.
197	Do. do. D do. ...	597, Girgaum Road	
198	Do. do. E do. ...	235, Bellasis Road	Suspicious.
199	Do. do. D do. ...	133-137, Girgaum Back Road, S. E. Corner ...	Unfit.
200	Do. do. D do. ..	Do. do. West	Objectionable.
201	Do. do. D do. ...	23, 2nd Parsivada	Unfit.
202	Do. do. D do. ...	2, Do.	Very suspicious.
203	Do. do. B do. ...	121-125, Champavadi Cross Lane...	Unfit.
204	Do. do. B do. ...	148-154, Kazi Sayad Street	
205	Do. do. B do. ...	43-47, Narayan Dhuru Street	Suspicious.

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911—*contd.*

Serial No.	Received from	Situated at	Opinion as regards potability from chemical point.
206	Deputy Health Officer, D Ward ...	51, 2nd Parsivada	Unfit.
207	Do. do. D do. ...	11, Do.	
208	Do. do. B do. ...	88-90, Kazi Sayad Street	
209	Do. do. B do. ...	37-41, Do.	
210	Do. do. D do. ...	31, Mangalwadi	
211	Do. do. A do. ...	90-92, Cawasji Patel Street	
212	Do. do. A do. ...	102-104, Do.	Very suspicious.
213	Do. do. D do. ...	47-55, Kandawadi	
214	Do. do. D do. ...	84-92, Do.	Fit.
215	Do. do. E do. ...	6-10, Ghorapdev Road	Unfit.
216	Do. do. E do. ...	26, Babulla Tank Road	
217	Do. do. D do. ...	12, 3rd Parsivada	
218	Do. do. D do. ...	31, Do.	
219	Do. do. B do. ...	514-516, Shaik Memon Street	Slightly suspicious.
220	Do. do. B do. ...	47, Kazi Sayad Street	Unfit.
221	Do. do. C do. ...	75-77, Girgaum Road	Fit.
222	Do. do. C do. ...	11, Ropa Lane	Unfit.
223	Do. do. B do. ...	140-148, New Hanuman Lane	Unfit.
224	Do. do. B do. ...	8-14, Sutar Chal and 185-201, Shaik Memon Street	
225	Do. do. C do. ...	19-10, Vanka Moholla	
226	Do. do. C do. ...	21-33, Wellington Street	
227	Do. do. B do. ...	47-51, Shaik Memon Street	
228	Do. do. B do. ...	27, 2nd Agiari Cross Lane	
229	Do. do. C do. ...	11, 3rd Marine Street	Suspicious.
230	Do. do. C do. ...	53, Do.	Unfit.
231	Do. do. B do. ...	39-41, 2nd Agiari Cross Lane	Very suspicious.
232	Do. do. B do. ...	Do.	
233	Do. do. C do. ...	33, Anantwadi	Fair.
234	Do. do. C do. ...	59, Panjrapole Street	Unfit.
235	Do. do. C do. ...	124, Cavel	Objectionable.
236	Do. do. C do. ...	271, Girgaum Road	Unfit.
237	Do. do. D do. ...	1 & 2, Do.	
238	Do. do. D do. ...	6, Damar Lane	Very suspicious.
239	Do. do. B do. ...	South of Market, Pydhoni...	Unfit.
240	Do. do. B do. ...	From the Centre of Market	
241	Do. do. D do. ...	7, 1st Parsivada	
242	Do. do. D do. ...	19, 3rd Do.	
243	Do. do. A do. ...	74, Cawasji Patel Street	Very suspicious.
244	Do. do. A do. ...	70-72, Do.	Fit.
245	Do. do. D do. ...	47, Chowpati	Unfit.
246	Do do. D do. ...	74, Do.	

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911—*contd.*

Serial No.	Received from	Situated at	Opinion as regards potability from chemical point.
247	Deputy Health Officer, D Ward ...	96, Khetwadi Back Road	Unfit.
248	Do. do. D do. ...	102 B, Do.	
249	Do. do. C do. ...	254, Girgaum Back Road	
250	Do. do. A do. ...	46-50, Cawasji Patel Street	Fit.
251	Do. do. A do. ...	56, Do.	Fair.
252	Do. do. D do. ...	61, Mugbhat Cross Lane	Unfit.
253	Do. do. D do. ...	11-16, Sadashiv Street	
254	Do. do. D do. ...	7, Benham Hall Lane	
255	Do. do. D do. ...	517, Barkeshri	
256	Do. do. D do. ...	126-128, Girgaum Back Road	Objectionable.
257	Do. do. D do. ...	93-95, Do.	Unfit.
258	Do. do. B do. ...	283-293, Janjikar Street	Very suspicious.
259	Do. do. B do. ...	89-91, Vithalwadi	Slightly objectionable.
260	Do. do. C do. ...	29, Anant Wadi	Suspicious.
261	Do. do. A do. ...	15-17, Pitha Street	Unfit.
262	Do. do. B do. ...	111-117, 1 Samuel Street	
263	Do. do. D do. ...	3, Gowalia Road	
264	Do. do. D do. ...	4, Do.	
265	Do. do. B do. ...	39, 41, 43, Dhanji Street	
266	Do. do. B do. ...	286-290-292-304 Shaikh Memon Street	Fit.
267	Do. do. D do. ...	14, Ardeshir Dady Street	Unfit.
268	Do. do. D do. ...	24, Mugbhat Cross Lane	Very suspicious.
269	Do. do. D do. ...	131, Khetwadi Main Road...	Objectionable.
270	Do. do. D do. ...	133, Do.	Very suspicious.
271	Do. do. A do. ...	79, Parsi Bazar Road, and 64-66 Homji Street..	Unfit.
272	Do. do. A do. ...	21-25, Hornby Road	
273	Do. do. D do. ...	76, Girgaum Road	Objectionable.
274	Do. do. D do. ...	21-22, 2nd Bhatvadi...	Unfit.
275	Do. do. A do. ...	86, Cawasji Patel Street	Fit.
276	Do. do. D do. ...	8, Kakadvadi...	Very suspicious.
277	Do. do. D do. ...	64-70, Khetwadi Back Road	Unfit.
278	Do. do. B do. ...	24-26, Dhanji Street...	
279	Do. do. B do. ...	149-151, New Hanuman Lane	Suspicious.
280	Do. do. B do. ...	229-231, Shaik Memon Street	Objectionable.
281	Do. do. D do. ...	48, Ardeshir Dadi Street	Unfit.
282	Do. do. D do. ...	54, Do.	
283	Do. do. E do. ...	145 E, Haines Road...	
284	Do. do. E do. ...	252 A, Morland Road	
285	Do. do. E do. ...	24, Nesbit Road	
286	Do. do. E do. ...	8-10, Arab Lane	
287	Do. do. A do. ...	117-125, Meadow Street	

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911—*contd.*

Serial No.	Received from	Situate at	Opinion as regards potability from chemical point.
288	Deputy Health Officer, B Ward ...	39, 41—43, Dhanji Street	Unfit.
289	Do. do. G do. ...	283—293, Janjikar Street...	
290	Do. do. D do. ...	354—354A, Grant Road	
291	Do. do. D do. ...	18th Khetwadi 5th Lane	
292	Do. do. B do. ...	23, Temple, Princess Street	
293	Do. do. B do. ...	9, Lalwadi, Old Hanuman Lane	Slightly objectionable.
294	Do. do. E do. ...	47, Morland Road	Unfit.
295	Do. do. E do. ...	38, Mount Road	Suspicious.
296	Do. do. A do. ...	2-4, Barber Lane	Unfit.
297	Do. do. D do. ...	24, Khetwadi 3rd Lane	
298	Do. do. D do. ...	137, Khetwadi Main Road...	Objectionable.
299	Do. do. E do. ...	Roger's Soda-Water Factory, Bellasis Road ...	Unfit.
300	Do. do. E do. ...	Falkland Road	
301	Do. do. E do. ...	137, Foras Road	
302	Do. do D do. ...	14, Girgaum Road	
303	Do. do. C do. ...	47, 3rd Marine Street	
304	Do. do. C do. ...	198, Girgaum Road	Suspicious.
305	Do. do. D do. ...	5, (2 B & 3) Charni Road	Unfit.
306	Do. do. D do. ...	3 K. and 3 KK, Chunam Kiln Road	
307	Do. do. B do. ...	3, Pickot Road	
308	Do. do. B do. ...	25, 1st Cross Galli, Old Hanuman Lane... ...	
309	Do. do. C do. ...	6-7, 1st Kumbar Lane	
310	Do. do. B do. ...	33-35, Shamshet Street	Suspicious.
311	Do. do. D do. ...	42, Thakurdwar Road	Unfit.
312	Do. do. D do. ...	3, Charni Road	Suspicious.
313	Do. do. C do. ...	6-8, 4th Marine Street	Fit.
314	Do. do. C do. ...	50, 2nd Marine Street	Fair.
315	Do. do. C do. ...	19-23, Khetwadi Main Road	Objectionable.
316	Do. do. D do. ...	55, Khetwadi 4th Lane	Unfit.
317	Do. do. C do. ...	15, Girgaum Road	
318	Do. do. C do. ...	146, Cavel	Objectionable.
319	Do. do. A do. ...	74, Cawasji Patel Street	Unfit.
320	Do. do. B do. ...	24-26, 1st Cross Old Hanuman Lane	
321	Do. do. B do. ...	106, Kazi Sayad Street	
322	Do. do. C do. ...	37, 4th Marine Street	
323	Do. do. D do. ...	35 C, Banganga	
324	Do. do. B do. ...	58-60, Vithalwadi	
325	Do. do. C do. ...	123, Girgaum Road	Fair.
326	Do. do. D do. ...	6, Damar Lane	Suitable.
327	Do. do. A do. ...	40-44, Bazar Gate and 93, Bora Bazar Street ...	Unfit.
328	Do. do. A do. ...	46-48, Bazar Gate Street	

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911—*contd.*

Serial No.	Received from	Situated at	Opinion as regards potability from chemical point.
329	Deputy Health Officer, B Ward ...	42-48, Old Hanuman Lane...	Unfit.
330	Do. do. C do. ...	49-51, 3rd Marine Street	
331	Do. do. B do. ...	160-164, Old Hanuman Lane	Suspicious.
332	Do. do. D do. ...	38, Forjett Street	Unfit.
333	Do. do. C do. ...	165-169, Girgaum Road	
334	Do. do. C do. ...	285, Do.	
335	Do. do. C do. ...	384, Lohar Street	Fair.
336	Do. do. C do. ...	12, Ropa Lane	Unfit.
337	Do. do. C do. ...	29, Wellington Street	
338	Do. do. C do. ...	48, 3rd Marine Street	
339	Do. do. C do. ...	35, Wellington Street	
340	Do. do. C do. ...	3, Chandanvadi	
341	Do. do. E do. ...	38, Mount Road	
342	Do. do. E do. ...	18-22, Tank Bunder Road	
343	Do. do. B do. ...	39-41-37, Sutar Chall Street	
344	Do. do. C do. ...	123, Girgaum Road	Suspicious.
345	Do. do. C do. ...	15, 4th Marine Street	Unfit
346	Do. do. D do. ...	15-25, Khetwadi, 6th Lane...	
347	Do. do. D do. ...	13, Do.	
348	Do. do. C do. ...	36, 2nd Marine Street	Fair.
349	Do. o. C do. ...	187, Girgaum Road	Unfit.
350	Do. do. D do. ...	21, II Parsiwada	
351	Do. do. D do. ...	27, 1 Do.	
352	Do. do. C do. ...	2, Ropa Lane	Fair.
353	Do. do. D do. ...	26, Khota's Vadi	Slightly objectionable.
354	Do. do. D do. ...	24 B, Benham Hall Lane	Unfit.
355	Do. do. C do. ...	128, Dadiset Agiari Street	Objectionable.
356	Do. do. C do. ...	17, Dady Santok Lane	Unfit.
357	Do. do. D do. ...	5, Cow Lane...	Suitable.
358	Do. do. D do. ...	71, Mugbhat Cross Lane	Unfit.
359	Do. do. G do. ...	775, Portuguese Church Street	
360	Do. do. B do. ...	498—500, Abdul Rehman Street	
361	Do. do. B do. ...	361, Shaik Memon Street	
362	Do. do. C do. ...	33-35, 4th Marine Street	
363	Do. do. C do. ...	129, Girgaum Road...	Very suspicious.
364	Do. do. D do. ...	26, Ardeshir Dadi Street	Unfit.
365	Do. do. D do. ...	35-43, 7th Khetwadi Lane	
366	Do. do. E do. ...	North of 2 6A, Clerk Road...	
367	Do. do. E do. ...	South Do.	
368	Do. do. D do. ...	70, Mugbhat Cross Lane	Objectionable.
369	Do. do. D do. ...	22, 3rd Parsivada	Unfit.

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1931—*contd.*

Serial No.	Received from	Situated at	Opinion as regards potability from chemical point.
370	Deputy Health Officer, D Ward ...	93-95, Girgaum Back Road	Unfit.
371	Do. do. D do. ...	213-215, Do.	
372	Do. do. D do. ...	523, Girgaum Road	Fair.
373	Do. do. D do. ...	58, Mugbhat Cross Lane	Objectionable.
374	Do. do. B do. ...	39-41, 2nd Agiari Cross Lane	Do.
375	Do. do. B do. ...	74, Dhanji Street	Unfit.
376	Do. do. D do. ...	30, Khataralli	
377	Do. do. D do. ...	25, Do.	
378	Do. do. C do. ...	63, 1st Marine Street	
379	Do. do. B do. ...	44-46, Champavadi	Suspicious.
380	Do. do. B do. ...	32, Musjid Bunder Road	Unfit.
381	Do. do. C do. ...	7th Mugbhat Cross Lane	
382	Do. do. C do. ...	23, Khetwadi 7th Lane	
383	Do. do. E do. ...	6, DeLisle Road Cross Lane	Unfit.
384	Do. do. D do. ...	33, Mangalvadi	
385	Do. do. D do. ...	219-221, Girgaum Back Road	
386	Do do. G do. ...	775, Portuguese Church Road	
387	Do. do. D do. ...	42, Kandavadi Lane...	
388	Do. do. C do. ...	59, 3rd Marine Street	
389	Do. do. C do. ...	31, Anantvadi	Objectionable.
390	Do. do. C do. ...	127, Girgaum Road	Fit.
391	Do. do. C do. ...	190, Do.	Unfit.
392	Do. do. A do. ...	177, Bazar Gate	Suspicious.
393	Do. do. A do. ...	74, Do.	Unfit.
394	Do. do. B do. ...	18-22, Vithoba Lane	Fair.
395	Do. do. D do. ...	135, Khetvadi Back Road	Unfit.
396	Do. do. B do. ...	140-148, New Hanuman Lane	
397	Do. do. B do. ...	111-113, Vithalvadi...	Objectionable.
398	Do. do. G do. ...	48, GG, Dhobiwada Road	Unfit.
399	Do. do. B do. ...	157-163, Abdul Rehman Street	
400	Do. do. B do. ...	121-123, Vithalvadi	Fit.
401	Do. do. E do ...	159, Haines Road	Unfit.
402	Do. do. D do. ...	20-22, Khetwadi, 7th Lane...	Suspicious.
403	Do. do. D do. ...	12-14, Do.	Unfit.
404	Do. do. C do. ...	108-113, Girgaum Road	
405	Do. do. C do. ...	26, Do.	
406	Do. do. D do. ...	6, 3rd Parsivada	
407	Do. do. D do. ...	8, 2nd Do.	Objectionable.
408	Do. do. B do. ...	13-14, IX Old Hanuman Lane	Unfit.
409	Do. do. B do. ...	13-15 Do.	Objectionable.
410	Do. do. C do. ...	48, Girgaum Road	Fit.

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911—*contd.*

Serial No.	Received from	Situated at	Opinion as regards potability from chemical points.
411	Deputy Health Officer, C Ward ...	303-308, Princess Street	Unfit.
412	Do. do. A do. ...	82-84, Cawasji Patel Street	Fit.
413	Do. do. A do. ..	15, Pitha Cross Lane	Suitable.
414	Do. do. B do. ...	15-19, Vithoba Lane	Do.
415	Do. do. B do. ..	62-66, Vithalwadi	Suspicious.
416	Do. do. D do. ...	12, Khetwadi 2nd Lane	Unfit.
417	Do. do. D do. ...	562 (1), Girgaum Road	
418	Do. do. C do. ...	3, II Sarapur Cross Lane	
419	Do. do. B do. ...	65, Dhanji Street	
420	Do. do. B do. ...	232-234, Nagdevi Street	
421	Do. do. C do. ...	290, Girgaum Road	
422	Do. do. C do. ...	17, Wellington Street	
423	Do. do. D do. ...	28, Khetwadi 3rd Lane	
424	Do. do. D do. ...	New Building, Khetwadi	
425	Do. do. E do. ...	396, Falkland Road	
426	Do. do. D do. ...	234 EA, Girgaum Back Road	Objectionable.
427	Do. do. B do. ...	28, Temple Princess Street	Unfit.
428	Do. do. D do. ...	60, Walkeshwar Road	Very suspicious.
429	Do. do. D do. ...	14, Harkness Road	Unfit.
430	Do. do. B do. ...	14-18, Vithalwadi	
431	Do. do. B do. ...	2, Shekadi Lane	
432	Do. do. D do. ...	38, Forjet Street	
433	Do. do. B do. ...	52-54, Champawadi	Fit.
434	Do. do. B do. ...	115-119, Vithalvadi	Fair.
435	Do. do. E do. ...	103, Ghorupdeo Road	Unfit.
436	Do. do. B do. ...	42, 1st Ganeshwadi	
437	Do. do. B do. ...	109-111, Parel Road...	
438	Do. do. C do. ...	36 & 40, 4th Marine Street...	Fair.
439	Do. do. C do. ...	19, Mahadeo Shanker Sett Lane	Do.
440	Do. do. D do. ...	135, Khetwadi Main Road	Objectionable.
441	Do. do. E do. ...	20, Mount Road	Unfit.
442	Do. do. E do. ...	10, Love Lane	
443	Do. do. F do. ...	148, Dadar Road	
444	Do. do. B do. ...	175, Parel Road	
445	Do. do. B do. ..	4, Mirza Alikhan	
446	Do. do. B do. ...	39-41, 2nd Agiari Cross Lane	Suspicious.
447	Do. do. E do. ...	39-42, Gilder Street	Unfit.
448	Do. do. E do. ...	86, Balaram Street	
449	Do. do. E do. ...	166-167, Kamatipura 5th Lane	
450	Do. do. E do. ...	111, Victoria Road	Objectionable.
451	Do. do. E do. ...	7, Do. do.	Unfit.

STATEMENT SHOWING THE NUMBER OF WELL WATERS EXAMINED CHEMICALLY DURING THE YEAR 1911—*concld.*

Serial No.	Received from	Situated at.	Opinion as regards potability from chemical point.
452	Deputy Health Officer, E Ward ...	19, Mount Road	Unfit.
453	Do. do. E do. ...	24-28, Ghorupdeo Road	
454	Do. do. E do. ...	57, D'Lima Street	
455	Do. do. E do. ...	7, Dolkar Street	
456	Do. do. A do. ...	17, Bazar Gate	Objectionable.
457	Do. do. C do. ...	11, 3rd Marine Street	Do.
458	Do. do. C do. ...	158, Girgaum Road	Unfit.
459	Do. do. C do. ...	88, Dadi Sett Agiari Street...	
460	Do. do. B do. ...	279-281, Kalbadevi Road	Fair.
461	Do. do. B do. ...	62-66, Vithalvadi	Suspicious.
462	Do. do. E do. ...	75-77, Parel Road	Unfit.
463	Do. do. E do. ...	33, Ripon Road	
464	Do. do. B do. ...	10-14, Ovalwadi	Suspicious.
465	Do. do. E do. ...	C-118, Gilder Street...	Unfit.
466	Do. do. D do. ...	13-15, 2nd Parsiwada	
467	Do. do. D do. ...	8, 3rd Do.	
468	Do. do. C do. ...	19, 3rd Marine Street	
469	Do. do. D do. ...	17, Popatwadi	Fit.

STATEMENT SHOWING THE NUMBER OF ARTICLES (OTHER THAN WATERS) EXAMINED BACTERIOLOGICALLY DURING THE YEAR 1911.

Received from	Fish for Cholera.	Milk for Cholera.	Sputum for Tubercle Bacilli.	Milk for Tubercle Bacilli.	Soiled clothing for Cholera	Vaccine.	Vomit for Cholera.	Bengal leaves for Cholera	Blood for Malaria.	Milk for Typhoid.	Izal Fluid.	Izal Powder.	For Septic Hæmorrhagica.	Sputum tests for Myeleir Cells, Lung Tissue, etc.	Smears for Gonorrhœa.	Milk tests for Ptomaine.	Mawa tests for Ptomaine	Mutton.	Glandular Specimen from a cow for Tubercle.	Blood for Leucocytes Count.	Tests of Stools.	Total.
Executive Health Officer	...	2	1	4	...	.....	1	1	...	...	6	6	4	.....	...	4	4	2	3	.....	...	38
Deputy Health Officer, A Ward	...	...	.....	31	...	.....	...	...	46	...	...	...	...	.....	...	...	...	...	.....	.....	...	77
Do. B „	4	...	.....	33	...	.....	...	...	80	...	...	...	...	.....	...	...	238	...	.....	.....	...	357
Do. C „	...	1	1	26	1	.....	1	...	74	12	...	...	...	.....	...	6	28	..	.....	.....	...	150
Do. D „	...	2	.....	23	...	.....	...	...	4	4	...	...	...	.....	...	...	...	...	.....	.....	...	38
Do. E „	...	1	.....	3	...	.....	...	...	42	...	...	...	...	.....	...	...	...	...	.....	1	...	47
Do. F „	...	...	.....	41	...	.....	...	...	3	...	...	...	...	.....	...	...	...	...	.....	.....	...	44
Do. G „	...	...	.....	36	...	.....	...	...	...	4	...	...	...	.....	...	...	...	...	.....	.....	...	40
Superintendent of Vaccination	...	...	.....	...	...	1,398	...	...	...	...	...	...	...	.....	...	...	...	...	.....	.....	...	1,398
Private Individuals	...	...	36	...	...	.....	...	...	2	...	...	...	...	9	7	...	...	...	.....	.....	8	62
Total ...	4	6	38	199	1	1,398	2	1	251	20	6	6	4	9	7	10	270	2	3	1	8	2,246

STATEMENT SHOWING THE NUMBER OF WATER SAMPLES EXAMINED BACTERIOLOGICALLY DURING THE YEAR 1911.

Received from	Tested for								
	Microbes per cc.	Cholera.	Enteric.	B. Coli (coli like organisms).	Gärtnërs.	B. E. Sperogenes.	Staphyl: and Streptococci.	Mosquito Larvæ.	Total.
Executive Health Officer	2	9	2	2	2	2	.....	8	22
Deputy Health Officer, A Ward	.....	6	2	2	.....	.....	.....	.....	10
Do. B „	.....	4	3	.....	.....	.....	.....	.....	7
Do. C „	.....	19	12	2	.....	.....	2	.....	35
Do. D „	.....	.....	.....	.....	.....	.....	.....	5	5
Do. E „	.....	11	.....	.....	.....	.....	.....	2	13
Do. F „	.....	2	.....	.....	.....	.....	.....	45	47
Do. G „	.....	26	13	.....	.....	.....	.....	13	52
Deputy Executive Engineer, Water Works, and the Municipal Analyst	207	205	205	205	205	205	.....	.....	1,232
Total	209	282	237	211	207	207	2	68	1,423

STATEMENT SHOWING THE NUMBER OF WATER SAMPLES EXAMINED FOR PATHOGENIC MICROBES AND IN WHICH THE SAME WERE DETECTED DURING THE YEAR 1911.

Cholera.		Enteric.		Gärtnërs.		B. Coli (coli like organisms).		B. E. Sperogenes.	
Total No. of Samples examined.	No. of Samples in which detected.	Total No. of Samples examined.	No. of Samples in which detected.	Total No. of Samples examined.	No. of Samples in which detected.	Total No. of Samples examined.	No. of Samples in which detected.	Total No. of Samples examined.	No. of Samples in which detected.
282	15	237	*Nil*	207	*Nil*	211	211	207	*Nil*

STATEMENT SHOWING THE DETAILS OF BLOOD FILMS EXAMINED FOR MALARIAL PARASITES DURING THE YEAR 1911.

Received from	Information as regards the Administration of Quinine.			Spleen.			Adult.	Child.	Unknown	Number of Specimens.				Type of detection.			Percentage of Infection.
	Administered.	Not administered.	Unknown.	Felt.	Not felt.	Unknown.				Detected.	Not detected.	Smears thick or wiped out.	Total.	Benign Tertian.	Malignant.	Quartan.	
Deputy Health Officer' A Ward	...	36	10	22	14	10	24	12	10	7	37	2	46	6	1	...	15·90
Do. B „	...	16	64	11	13	56	24	...	56	9	60	11	80	8	1	...	13·04
Do. C „	...	21	53	11	11	52	46	11	17	4	55	15	74	3	1	...	6·77
Do. D „	...	...	4	...	...	4	...	...	4	...	4	...	4	...	...	...	.....
Do. E „	...	...	42	...	...	42	28	4	10	3	34	5	42	3	...	...	8·10
Do. F „	...	...	3	...	...	3	...	...	3	2	1	...	3	2	...	...	66·66
Do. G „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Private	...	...	2	...	...	2	...	...	2	...	2	...	2	...	...	...	.....
Total ...	...	73	178	44	38	169	122	27	102	25	193	33	251	22	3	...	11·46

The Annual Report of the Superintendent of Vaccination for 1911.

Superintendent.

I was in charge of the Department throughout the year.

Vaccination Establishment.

The Establishment consists of the Superintendent, the Assistant Superintendent, ten vaccinators, five clerks, seventeen karkuns, three peons and fifteen coolies.

Vaccine operations with results during 1902—1911.

2. The following statement gives the number of persons primarily vaccinated and re-vaccinated during 1911 and the preceding nine years, with the number of persons successful and the percentage of success :—

Year.	Primary Vaccinations.			Re-vaccinations.			Total Number of persons vaccinated.		
	Number Vaccinated.	Number of persons Successful.	Percentage of Success.	Number of persons vaccinated.	Number Successful.	Percentage of Success.	Number of persons vaccinated and re-vaccinated.	Number Successful.	Percentage of Success.
1902	14,072	12,692	90·19	2,300	363	15·78	16,372	13,055	79·74
1903	15,010	13,238	88·19	4,948	726	14·67	19,958	13,964	69·97
1904	17,545	15,994	91·16	3,854	289	7·50	21,399	16,283	76·09
1905	18,777	15,952	84·95	20,571	780	3·79	39,348	16,732	42·52
1906	17,086	15,719	92·00	1,744	178	10·21	18,830	15,897	84·42
1907	16,730	15,555	91·84	1,282	85	6·63	18,002	15,440	85·77
1908	19,122	16,801	87·86	4,633	257	5·55	23,755	17,058	71·80
1909	18,447	16,336	88·56	10,669	116	1·09	29,116	16,452	56·50
1910	17,356	15,371	88·56	23,600	70	0·30	40,956	15,441	37·70
1911	19,312	17,819	92·27	18,786	86	0·46	38,098	17,905	47·00

It will be observed that the total number of persons operated upon during the year was 38,098 against 40,956 in 1910, of which 19,312 were primary vaccinations, being 1,956 more than in 1910 and 18,786 were re-vaccinations, being 4,814 less than in 1910.

Of the primary vaccinations 17,819 were successful, the percentage of success being 92·27 ; this is, however, raised to 97·96 if 1,121 "Unknown" cases be left out. Of the re-vaccinations 86 were successful, yielding a percentage of ·46, which, however, is raised to 30·94 if the 18,508 "Unknown" cases be excluded. Calculated on the total number of persons vaccinated the percentage of success works out to 47·00.

Primary Vaccinations by Age-periods.

3. The following table shows the results in Primary Vaccinations by age-periods.

Under 1 Year.			Between 1 and 6 years.			Above 6 years.			Total results.			Total operations.
Successful.	Unsuccessful.	Unknown.	Successful.	Unsuccessful.	Unknown.	Successful.	Unsuccessful.	Unknown.	Successful.	Unsuccessful.	Unknown.	
14,898 (14·70 ratio per mille of population.)	308	638	3,824	110	364	97	6	119	17,819 (18·19 ratio per mille of population.)	424	1,121	19,364

Vaccinations by others than the Vaccination staff.

4. The subjoined table shows the vaccination performed by Private Medical Practitioners, the District Registrars of the Health Department and the Medical Officers in charge the two Jails and the Colaba Lunatic Asylum :—

	Primary Vaccinations.							Re-vaccinations.		
	Males.	Females.	Total.	Successful.			Unknown.	Total.	Successful.	Unknown.
				Under 1 Year.	Between 1 and 6 Years.	All Ages.				
District Registrars. ...	23	24	47	18	13	31	9	3	1	2
L. M. Practitioners ...	3	...	3	...	...	...	3	...	...	...
The two Jails	3	4	7	7	...	7	...	4,932	50	...
Colaba Lunatic Asylum	...	...	...	...	...	...	...	...	...	...

Inspection of vaccinations.

5. Table showing the particulars of primary and Re-vaccinations verified by Inspecting Officers :—

Total number of persons vaccinated.		Total number inspected.				Percentage of inspection to total number vaccinated.				Percentage of cases found successful to total number inspected.				Percentage of success reported by the vaccinators.	
		By the Superintendent.		By the Asstt. Supdt. and the Head Vaccinator.		By the Superintendent.		By the Asstt. Supdt. and the Head Vaccinator.		By the Superintendent.		By the Asstt. Supdt. and the Head Vaccinator.			
P.	R.	P.	R.	P.	R.	P.	R.	P.	R.	P.	R.	P.	R.	P.	R.
19,312	18,786	S. F. (4,337+481) =4,818	...	S. F. (10,261+899) =10,660	S. F. (60+18) =78	22·71	...	55·20	0·41	98·91	...	96·26	76·92	92·27	0·46

Heifers inoculated, scraped for emulsion, &c.

6. The Table below shows by months the number of calves inoculated and the number rejected after inoculation owing to sickness, as also the number of calves scraped for emulsion during the year and the number used for calf-to-arm vaccination :—

Heifers.	January 1911.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December 1911.	Total.
Number inoculated...	23	31	32	33	28	28	25	30	26	33	35	33	357
Number successful ...	17	27	30	31	25	26	23	23	17	29	26	27	301
Number unsuccessful	5	1	...	2	1	...	2	5	1	1	7	4	27
Number rejected after inoculation owing to sickness	3	3	2	...	2	2	...	2	3	3	2	2	29
Number inoculated for emulsion	8	19	21	22	17	17	12	16	13	20	27	26	218
Number inoculated for calf-to-arm vaccination ...	15	12	11	11	11	11	13	14	13	13	8	7	139

Proceeds from the sale of lymph and from other sources.

7. The following statements shows the proceeds from the sale of lymph, the fees realized from vaccination at private places, &c., during the year under report :—

Amount realized by the sale of lymph.	Municipal moiety of the fee from private vaccination.	Municipal fee (moiety) for vaccination instruction to Medical Students.	Municipal fees for giving vaccination extracts.	Total.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
3,560 14 0	655 0 0	330 0 0	96 6 0	4,642 4 0

Cost of a single operation.

8. The cost of each successful vaccine operation, including all charges, was Rs. 1-8-3 against Rs. 1-11-1 in the preceding year; if the amount realized by the sale of lymph be deducted from the total expenditure, the cost works out to Rs. 1-5-1 against Rs. 1-5-8 in 1910.

9. If calculated on the total number of vaccine operations, the cost of each operation, after deducting the proceeds from the sale of lymph, comes to Rs. 0-9-11 against Rs. 0-8-2 in 1910.

Postponement certificates.

10. During the year under report 333 certificates of postponement of vaccination of children were granted.

Prosecution under the Vaccination Act.

11. 11 Prosecutions were undertaken for neglect of vaccination. In all cases the parties were convicted, 3 persons were fined rupee one each, and 8 were warned and discharged.

12. The following table shows the different kinds of lymph used, the operations done with each kind and the comparative results obtained during the year 1911 :— Work done with different kinds of Lymph.

Kind of Lymph.	Number of operations.		Successful cases excluding the "unknown."		"Unknown Cases."		Percentage of success excluding "the unknown."	
	P.	R.	P.	R.	P.	R.	P.	R.
(a) Human	...	...	...	...	...	...	...	...
(b) Animal	5,651	626	5,343	38	263	568	99·16	65·52
(c) Glycerinated	13,713	18,160	12,476	48	858	17,940	97·05	21·82
Total Operations ...	19,364	18,786	17,819	86	1,121	18,508	97·68	30·94

13. During the year under report 14 Military Medical and 52 Civil Medical and other pupils attended the different Public Vaccine Stations in the City for receiving practical instruction in vaccination. Instruction in vaccination

14. During the year under report the total number of deaths reported from Small-pox was 443 as against 1,008 in the year preceding. Small-pox.

The Haji season commenced about the middle of May and ended in October 1911. The total number who left Bombay for the Haj was 22,856. Of these 15,140 were vaccinated in Bombay before embarkation, *i. e.*, 67·99 per cent. The following table shows the number of males and females and the number of Primary Vaccinations and Re-vaccinations performed amongst the Pilgrims by the Special Staff that was engaged for the purpose (*viz.*, 1 Vaccinator, 1 clerk, 1 coolie and 2 Nurses).

—	Males.	Females.	Total.
Primary Vaccinations	63	74	137
Re-vaccinations	11,952	3,051	15,003
Total Number ...	12,015	3,125	15,140

The female pilgrims were vaccinated by the two specially trained District Nurses of the Health Department.

15. No serious ill-effects following vaccination were observed or brought to notice during the year. Ill-effects by vaccination

16. The following Table shows the vaccination work done in Bandra and Kurla circles in 1911 compared with that done in 1910:— Vaccination in Bandra and Kurla.

Vaccination Circles.	Population according to the Census of 1911.	Year.	Children successfully vaccinated. Under 1 year.	Children successfully vaccinated. Under 6 years.	Children available for vaccination.	Persons primarily vaccinated.	Persons re-vaccinated.	Total number of persons operated upon.
Bandra	22,792	1910	202	61	498	353	459	812
		1911	170	129	485	354	11	365
Kurla	14,932	1910	64	26	210	141	.....	141
		1911	67	48	166	156	.....	156

J. S. NERURKER,
B.Sc., L.M. & S., (Bom.), D.P.H. (Camb.)
Superintendent of Vaccination.

BOMBAY, 15*th February* 1912.

Report of the Arthur Road Infectious Diseases Hospital for the year 1911.

I.—Administration.

1. The only change in the staff was the dismissal of one nurse for neglect of duty.

II.—Grounds and Buildings.

2. The alterations of the three permanent wards were completed during the year and gas was laid on in all the wards, as well as the compound.

III.—General Statistics.

3. The total number of admissions was 965, as compared with 1,266 in 1910, and 1,055 in 1909. The maximum number of patients present on any particular day was 138, as compared with 173 and 105 in 1910 and 1909, respectively.

4. Only 9 Hajees were admitted during the year, 2 suffering from Chicken-pox, who recovered, and 7 from Small-pox. Among the latter, 2 had been vaccinated in infancy and they recovered; 5 were unvaccinated, of whom 3 recovered and 2 died.

5. The principal admissions were from Small-pox, Measles, Mumps, Cholera and Erysipelas. The incidence of Small-pox was not so great as during 1910, as the admissions numbered 340 only as contrasted with 685. The admissions from Measles were 87 against 105 during last year. There were 76 admissions from Mumps, the largest number ever treated during a single year. The epidemic was almost wholly confined to the St. Joseph's Foundling Home at Mazagon. Both measles and mumps prevailed at the institution and many children, discharged after recovery from the former, were re-admitted later with mumps. The disease was not however of a severe type and recurrence among those that had recovered from it was not infrequent, indicating a low degree of immunity from the invasion. The admissions from Cholera numbered 39 as compared with 36 during the previous year. Erysipelas was responsible for 24 admissions against 33 in 1910.

The following Table shows the details of admissions, deaths, recoveries and case-mortality rate per cent:—

Diseases.	Admissions.	Deaths.	Recoveries.	Case-mortality rate per cent.
Small-pox	340	77	263	22·64
Chicken-pox	60	.....	60	.....
Measles	87	6	81	68·96
Cholera	39	13	26	33·33
Mumps	76	1	75	1·31
Erysipelas	24	3	21	12·50
Whooping Cough	10	.....	10	.....
Relapsing Fever	1	1	.....	100·00
Plague	5	5	.....	100·00
Observation Cases	323	70	253	21·67

IV.—Small-pox.

6. Small-pox prevailed from January to May; it was very low during the four following months; the admissions again increased during the last 3 months of the year. That the epidemic was not so severe as the three preceding is shown by the low case-mortality rate of 22·64 per cent., as compared with 26·8 per cent. to 30·3 per cent. during 1908—1910.

The Vaccinal Condition of Small-Pox Patients.

7. The following statement compares the vaccinal condition of patients and the rate of their case mortality during the year as compared with the three previous years :—

Year.	Vaccinated patients.		Unvaccinated patients.	
	Number.	Case Mortality rate per cent.	Number.	Case Mortality rate per cent.
1908	483	19·7	345	45·2
1909	226	14·1	187	42·2
1910	399	18·0	286	41·9
1911	202	10·8	138	39·8

The foregoing figures indicate that even in a comparatively milder epidemic than the three preceding, the case mortality rate among the unvaccinated was nearly 4 times as great as among the vaccinated, that is, 39·8 per cent. in the former as compared with 10·8 per cent. in the latter.

8. The case mortality rate among vaccinated Hindus was 8·5 per cent. as compared with 39·4 per cent. among those unvaccinated. The Mahomedan vaccinated patients were comparatively few and they had the extremely low mortality rate of 5 per cent. among the vaccinated as compared with 27·7 per cent. among those not so protected, and lastly among the Native Christians, mostly Goans, those protected had a mortality rate of 18·5 per cent. as compared with 42·6 per cent. in the unvaccinated.

V.—Cholera.

9. The treatment of cholera was continued along the same lines as laid down in the last Report, *viz*.—

(*a*) Internal administration of cyanide of mercury in doses of gr. 1/10 every 3 to 6 hours.

(*b*) Extract Renaglandin or Adrenaline as a cardiac and vaso-constrictor remedy; Ms. 20 to 30 every 2 to 4 hours.

(*c*) Subcutaneous Injections of camphorated oil, 1 in 5 (camphor 1 part, sterilised olive oil 4 parts) in doses of 1 to 3 c. c. for cardiac failure and restlessness as required.

(*d*) Rectal Injections of 3 pints, every 6 hours, of Rogers' compound hypertonic saline solution.

(*e*) No alcohol, no milk, black coffee with or without sugar until reaction is fully established with free secretion of urine.

(*f*) Dry cupping over the loins.

The immediate results of the above line of treatment are indeed striking; vomiting at once ceases, and so also restlessness; after three to four doses of the cyanide, the stools become bilious, the pinched and haggard aspect disappears and there is great improvement in the circulation. The urinary secretion becomes rapidly re-established, and the stage of toxaemia, the so-called reaction stage, with fever, delirium, etc., becomes practically aborted. Recovery is rapid, and is not generally prolonged by complications. 39 cases only were treated during the year with 13 deaths and 26 recoveries, equivalent to a case-mortality rate of 34·7 per cent. The total number treated during the last 2 years was therefore 69 patients with 24 deaths and 45 recoveries giving a case-mortality rate of 34·7 per cent. The ratio of recoveries from cholera has been greatly enhanced since the introduction of rectal injections, which for their simplicity and ease of application, even under the most unfavourable circumstances, are not to be lightly discarded.

The following statement shows the results of the various lines of methods :—

	Number of patients treated.	Recovery rate per cent.
Without Rectal Injections	930	25
With Normal Saline Rectal Injections (old system) 1905—1909.	687	47
Do. do. Hypertonic Solution (new system) 1910-1911	69	65

The above figures indicate a steady rise in the recovery rate from cholera, from 25 out of every 100 cases to 65, in spite of the fact that almost 25 patients out of every 100 admitted are moribund and practically beyond all hope at the time of admission into hospital. It has been stated that rectal injections are applicable to mild cases only and that they are practically useless in severe cases. Such, however, has not been the experience at the Arthur Road Hospital, where they have been applied among the most severe cases in the stage of collapse, many of them almost pulseless and whenever retained, as they usually are, more or less, have shown considerable influence in saving life. It has also to be remembered in this connection that almost all admissions from cholera are in the stage of collapse, scarcely any being admitted in the first stage and that they belong mostly to the poor, weak and underfed classes of Indians, whereas at Calcutta European patients largely predominate. And further, Bombay statistics show that cholera, as a rule, is not a mild disease wherever it prevails in the city. Among 6,544 attacks recorded from cholera during the period that the above observations were conducted, there were 6,083 deaths registered, equivalent to a case mortality rate of 92·9 per cent., *i.e.*, a recovery rate of barely 7 per cent., whereas hospital treatment on the above lines has been able to enhance the rate of recovery to 65 per cent. It is to be hoped therefore that the treatment indicated above will be given a fair trial in such epidemics of cholera, where laboratory facilities, costly apparatus and skilled assistance are not available, inasmuch as the above treatment could be well carried out by any Sub-Assistant Surgeon with such unskilled agency as he could command at up-country stations.

N. H. CHOKSY, M. D.,
Special Assistant Health Officer.

ARTHUR ROAD HOSPITAL,
22*nd April* 1912.

Report of the Maratha Plague Hospital for the year 1911.

I.—Administration.

1. There were no changes in the staff during the year.

II.—General Statistics.

2. The total number of admissions was 604 as compared with 476 in 1910, and 650 in 1909.

3. The admissions from plague numbered 565 as contrasted with 440 and 608 during 1910 and 1909, respectively.

4. The number of admissions for observation was 39 as against 36 last year. There were 5 deaths and 34 recoveries among them.

5. The rate of case-mortality among the plague patients was 74·8 per cent. as compared with 77 per cent. during the last epidemic. The virulence of the epidemic was however scarcely less than usual as shown by the ratio of deaths to attacks recorded in the City, *viz.* 4,006 deaths to 4,503 attacks, equivalent to a case-mortality rate of 88·9 per cent. It appears, therefore, that throughout the last 9 epidemics the case-mortality rate has fluctuated within very narrow limits between 86·7 per cent. to 89 per cent. although the incidence of attacks has shown great diminution.

6. Only twelve European and Anglo-Indian patients were treated during the year, of whom 8 died and 4 recovered, the mortality rate being 66·6 per cent., Eighteen Parsees were treated : 11 died and 7 recovered, the rate of mortality being 61·1 per cent.

III.—The Plague Research Commission.

7. Allusion was made in the last report to the "Antigen" isolated from the bacillus pestis by Dr. Sydney Rowland, one of the members of the Commission, working on the subject, at a special laboratory in England. Some horses were inoculated with this substance, and the serum obtained from them, when tested upon rats, was found to be about four times as strong as Yersin's serum. Observations with this new serum were made upon 78 patients at the Maratha Hospital, an equal number having been taken for comparison as controls. In so far as the Septicæmic cases were concerned, the serum did not appear to exhibit any better influence than Yersin's. In the sterile cases, however, the rate of case-mortality was reduced by about 14 per cent. as compared with the control cases.

8. Major W. Glen Liston, I.M.S., has tabulated the results of serum treatment conducted by the Plague Research Commission at the Maratha Hospital from 1908 to 1911. 444 cases were selected for observation, half the number having been treated with the serum and half taken as controls. The results indicate that the rate of case-mortality in the control cases was 73·4 per cent. and in the serum-treated cases 66·1 per cent., that is a gain of 7·3 per cent. over the control cases. If, however, the above results on the whole, are tabulated according to the condition of the patients, that is whether sterile or septicæmic, it appears that the whole of the gain was due to the influence of the serum in reducing the rate of mortality among the sterile cases only, the difference in favour of the serum-treated cases being 8·4 per cent. as compared with 10·4 per cent. obtained in my obsevations, 1905 and 1907 :—

Table showing the Results of Serum Treatment by the Plague Research Commission, 1908-1911.

Class.	Serum Cases.				Control Cases.			
	No.	Died.	Recovered.	Case-mortality rate per cent.	No.	Died.	Recovered.	Case-mortality rate per cent.
Sterile	85	22	63	25·8	70	24	46	34·2
Septicæmic	137	125	12	91·2	152	139	13	91·4

The general deductions to be drawn from the above observations may be summarised as follows :—

1. That the administration of serum in sterile cases of bubonic plague in hospital practice shows a reduction of about 8·4 per cent. in their case-mortality rate, as compared with similar cases not so treated.

2. That the exhibition of serum in cases slightly septicæmic (not containing more than 10 bacilli per $\frac{1}{2}$ c. c. of blood) does not tend to any reduction in the rate of mortality which is about 72 per cent., and that although the septicæmia may be favourably influenced and life even prolonged, there is practically no difference betwee the cases treated with, and without, serum.

3. That with any higher degrees of septicæmia than above, the mortality rate among the cases treated with and without serum is cent. per cent., and although plague bacilli circulating in the blood may be reduced in number under the influence of serum and life even prolonged, the ultimate fate of the patient is the same.

N. H. CHOKSY, M.D.,
Special Assistant Health Officer,
in-charge Maratha Plague Hospital.

MARATHA PLAGUE HOSPITAL,
19*th April* 1912.

Meteorological Data (Government Observatory, Colaba), Latitude 18°-53′-45″, North, Longitude 72°-48′-56″, East.

MONTHS.	BAROMETER.	READING OF THERMOMETER.				Mean Maximum Solar Radiation.	Difference between Dew-point, Temperature and Mean Air Temperature.	Degree of Humidity; complete Saturation being 100.	Prevailing Direction of Wind.	RAIN.		
	Mean daily Readings.	Maximum.	Minimum.	Mean Daily Range.	Mean Daily Value.					Number of Days on which Rain fell.	Total Fall of Rain during the Month.	Maximum Fall of Rain.
1911.	In.	°	°	°	°	°	°				In.	In.
January	29·915	88·4	63·1	9·4	75·5	121·5	10·3	71	N. N. W.	2	0·06	0·04
February	·959	90·2	59·2	11·7	75·6	124·5	12·4	67	N. N. W.	.....	0·00	.....
March	·877	85·6	70·4	8·8	78·7	125·4	11·2	69	N. W.	.....	0·00	.....
April	·829	88·6	73·4	8·2	81·2	128·9	9·4	74	N. W.	.....	0·00	.....
May	·766	91·3	78·4	7·7	85·6	131·9	9·1	75	W.	2	0·04	0·03
June...	·695	90·4	77·4	5·0	83·7	121·5	6·3	82	W. S. W.	18	10·85	2·89
July	·708	88·0	75·8	4·2	82·1	117·5	5·7	83	W. S. W.	24	15·89	4·78
August	·732	84·6	74·8	3·6	80·3	114·6	4·9	85	W. S. W.	30	16·90	4·29
September	·793	85·5	77·0	5·1	81·4	123·9	6·5	81	W.	15	2·50	1·00
October	·871	90·2	74·4	7·4	82·9	128·5	7·9	77	N. W.	.....	0·00	.....
November	·876	90·8	74·3	8·7	81·3	126·9	9·0	75	N. N. E.	1	0·27	0·27
December	·927	89·2	70·6	10·4	80·2	128·4	12·3	67	N. N. E.	.....	0·00	.....

TABLE showing the Population and the Number of Births and the Birth-rate by Sex and Section in 1911.

1	2	3			4			5			6	7	8	9		
Ward.	Section.	Population according to the Census of 1911.			Number of Births registered.			Ratio of Births per 1,000 of population.			Number of male births to 100 female births.	Excess of births over deaths per 1,000 of Population.	Excess of deaths over births per 1,000 of Population.	Mean ratio of births per 1,000 of population during the previous five years.		
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.				Males.	Females.	Total.
A	Upper Colaba	869	688	1,557	43	36	79	49·48	52·32	50·73	119·44	Nil.	8.99	15·66	48·85	28·57
	Middle and Lower Colaba	13,514	6,165	19,679	152	138	290	11·24	22·38	14·73	110·14	„	11·68	14·01	75·54	17·96
	Fort, South	2,825	637	3,462	14	7	21	4·95	10·98	6·06	200.00	„	7·51	4·41	15·50	6·59
	Fort, North	15,564	9,836	25,400	281	225	506	18·05	22·87	19·92	124·88	„	22·67	16·56	25·02	19·94
	Esplanade	12,544	5,217	17,761	110	89	199	8·76	17·05	11·20	123·59	„	25·95	11·48	24·78	15·43
B	Mandvi	23,317	9,885	33,202	240	220	460	10·29	22·25	13·85	109·09	„	26·38	11·93	17·26	14·02
	Chukla	15,768	8,463	24,231	290	270	560	18·39	31·90	23·11	107.40	„	23·89	15·83	27·48	19·99
	Umarkhadi	28,491	17,188	45,679	633	604	1,237	22·21	35·14	27·08	104·80	„	22·19	17·60	24·54	20·36
	Dongri	16,985	10,261	27,246	339	297	636	37·62	28·94	23·34	114.14	„	20·99	20·88	22·11	21·46
C	Market	22,011	8,161	30,172	204	188	392	9·26	23·03	12·99	108·51	„	16·43	7·33	16·80	10·22
	Dhobi Talao	24,670	14,014	38,684	438	405	843	17·75	28·89	21·79	108·31	„	18·13	15·80	25·18	19·34
	Fanaswadi	18,125	9,278	27,403	257	230	487	14·17	24·78	17·77	111·73	„	14·85	11·81	17·83	14·29
	Bhuleshwar	24,713	11,746	36,459	326	307	633	13·19	26·13	17·36	106.18	„	19·91	11·32	19·47	14·10
	Khara Talao	15,052	7,927	22,979	269	226	495	17·87	28·51	21·54	119·02	„	26·98	17·62	29·31	21·97
	Kumbharwada	17,908	9,795	27,703	314	277	591	17·53	28·27	21·33	113·35	„	20·35	14·56	21·83	17·23
D	Khotwadi	19,850	12,087	31,937	403	358	761	20·30	29·61	23·82	112·56	„	5·88	15·35	23·99	18·22
	Girgaum	19,156	11,623	30,779	319	355	674	16·65	30·54	21·89	89·85	„	11·59	13·80	19·88	15·20
	Chowpati	7,088	4,309	11,397	104	108	212	14·67	25·06	18·60	96·29	„	7·63	14·03	17·84	15·57
	Walkeshwar	6,883	3,757	10,640	108	120	228	15·69	31·94	21·42	90·00	2·06	.....	9·82	19·11	13·00
	Mahalakshmi	16,608	9,694	26,302	260	285	545	15·65	29·39	20·72	91·22	Nil.	6·86	15·98	24·75	19·35
E	Masagon	19,398	10,677	30,075	373	374	747	19·22	35·02	24·83	99·73	„	15·32	22·34	30·99	25·78
	Tarwadi	18,141	10,283	28,424	373	446	819	20·56	43·37	28·81	83·63	„	25·57	23·11	37·50	28·50
	2nd Nagpada	13,321	8,379	21,700	289	260	549	21·69	31·02	25·29	111·15	„	20·04	21·21	28·15	24·02
	Kamathipura	22,523	14,228	36,751	405	430	835	17·98	30·22	22·72	94·18	„	23·07	21·31	26·40	23·46
	Tardeo	17,241	10,517	27,758	342	325	667	19·83	30·90	24·02	105·23	„	14·08	22·19	28·54	24·86
	Byculla	47,672	27,676	75,348	1,294	1,351	2,645	27·14	48·81	35·10	95·77	„	5·91	25·47	45·22	32·33
	1st Nagpada	4,182	2,232	6,414	62	58	120	14·82	25·98	18·70	106·89	„	9·97	22·35	40·96	28·40
F	Parel	28,858	16,616	45,474	581	520	1,101	20·13	31·29	24·21	111·73	„	9·06	17·96	25·89	21·08
	Sewri	11,841	7,226	19,067	209	215	424	17·65	29·75	22·23	97·20	„	7·18	19·47	26·49	22·52
	Sion	18,468	12,217	30,680	415	415	830	22·47	33·96	27·05	100.00	„	5·47	21·34	29·69	24·38
G	Mahim	18,271	12,221	30,492	460	445	905	25·17	36·41	29·67	103·37	„	3·37	26·97	42·44	32·35
	Worli	58,478	31,133	89,611	974	911	1,885	16·65	29·25	21·03	106·91	„	9·29	20·88	28·52	23·95
	Harbour, Docks, Railways and Homeless	39,963	5,016	44,979	.....	.....	.....	.....	.....	.....	.....	„	.....	·03		
	Total	640,283	330,157	970,[illegible]5	10,881	10,495	21,376	16·99	30·94	21·82	103·67	.....	13·87	19·85		

Deaths and the Death-rate from some of the Principal Diseases by Sections in 1911.

2		3	4	5	6			7	8																	9		
Ward.	SECTION.	Area in square miles	Average population (or square mile calculated on the Census popu-	Population by the Census of 1911.	Number of deaths registered.			Number of deaths of males to every 100 deaths amongst females.	Death-rate per 1,000 of population from														All causes.			Mean Ratio of deaths per 1,000 of population during the previous 5 years.		
					Males.	Females.	Total.		Cholera.	Small-pox.	Measles.	Plague.	Malaria.	Enteric.	Other fevers.	Diarrhœa and Dysentery.	Tuberculosis.	Phthisis.	Other Respiratory Diseases.	Injuries.	All other causes.	Males.	Females.	Total.	Males.	Females.	Total.
A.	Upper Colaba	·22	7,07	863	688	1,557	49	44	93	111·36	...	...	...	6·42	1·28	·64	3·21	3·85	2·56	3·21	8·99	1·92	27·61	56·38	63·95	59·75	18·51	35·83	22·51
	Middle and Lower Colaba	·45	43,73	13,514	6,165	19,679	307	213	520	144·13	·05	·30	...	5·23	·45	·40	1·82	2·84	·55	1·47	5·53	·55	7·16	22·71	34·54	26·42	35·18	45·17	37·99
	Fort, South	·21	16,48	2,825	637	3,462	52	15	67	213·85	...	...	...	4·04	·57	·86	·28	·86	·28	·28	2·31	·57	3·46	11·32	23·54	13·57	19·24	23·25	20·03
	Fort, North	·21	120,95	15,564	9,836	25,400	613	469	1,082	130·70	·15	·15	·55	5·07	1·10	·47	4·64	3·16	1·14	2·59	8·30	1·45	13·77	39·38	47·68	42·59	37·81	44·18	40·94
	Esplanade	1·04	17,07	12,544	5,217	17,761	439	221	660	198·64	·61	·16	...	1·03	2·25	·33	9·17	3·49	1·12	1·74	6·47	2·30	7·82	34·99	42·36	37·16	60·79	50·89	60·82
B.	Mandvi	·26	127,76	23,317	9,885	33,202	816	520	1,336	156·92	·09	·15	·45	4·00	·48	·06	4·30	1·08	·48	1·26	12·98	·48	14·69	34·99	52·60	40·23	41·23	45·56	42·99
	Chukla	·08	302,88	15,768	8,463	24,231	607	532	1,139	114·09	·04	·20	·90	3·54	·53	·03	2·22	1·93	·28	1·89	14·44	·49	20·58	38·49	63·86	47·00	36·22	44·19	42·64
	Umerkhadi	·16	285,43	28,491	17,188	45,679	1,204	1,047	2,251	114·99	·26	·37	·83	5·21	·70	·17	1·77	4·30	2·38	5·88	11·86	·83	14·77	42·25	60·91	49·27	43·36	52·64	47·06
	Dongri	·45	60,84	16,985	10,261	27,246	702	506	1,208	138·73	·18	·40	1·02	4·58	1·87	·07	2·55	4·73	·84	2·89	12·47	·66	12·03	41·53	49·31	44·33	48·94	44·49	46·87
C.	Market	·14	215,51	22,011	8,161	30,172	644	244	888	158·13	·05	·33	·43	3·91	·59	·13	1·98	1·72	·46	1·25	7·68	·72	10·34	24·71	42·15	29·43	27·34	37·78	30·53
	Dhobi Talao	·16	241,77	24,670	14,014	38,684	797	554	1,351	143·86	·20	1·00	·93	5·14	·36	·41	2·24	2·74	·69	·96	8·68	·69	10·83	32·30	39·53	34·92	39·02	45·74	41·56
	Fanaswadi	·20	137,01	18,125	9,278	27,403	491	403	894	121·83	·18	·76	·98	5·10	·21	·14	2·62	1·88	·32	1·16	8·86	·51	9·77	27·08	43·43	32·62	29·56	38·66	32·86
	Bhuleshwar	·12	303,82	24,713	11,746	36,459	788	571	1,359	138·00	·08	·13	1·78	4·03	·16	·06	2·19	3·15	·21	1·59	10·23	·41	13·85	31·88	48·61	37·27	38·18	54·58	43·82
	Khara Talao	·07	328,27	15,052	7,937	22,979	614	501	1,115	122·55	·26	·21	·87	5·65	·39	·04	2·43	3·00	·43	3·56	11·65	1·08	18·88	40·79	63·20	48·52	45·96	62·41	52·08
	Kumbharwada	·07	395,72	17,908	9,795	27,703	620	535	1,155	115·88	·25	·57	1·19	5·41	·18	·10	2·09	3·39	·36	2·63	11·19	·64	13·04	34·62	54·61	41·69	33·60	48·82	38·09
D.	Khetwadi	·27	118,28	19,859	12,087	31,937	513	436	949	117·66	·06	·97	·56	2·09	·37	·21	1·22	2·06	·56	2·68	7·15	·87	10·95	25·84	36·07	29·71	28·99	39·01	32·75
	Girgaum	·20	153,89	19,156	11,623	30,779	536	495	1,031	108·28	·03	1·07	·74	2·95	·25	·32	1·94	1·78	·87	3·15	7·86	·51	11·25	27·98	42·58	33·49	31·28	40·41	34·83
	Chowpati	·17	67,04	7,988	4,309	11,397	173	126	299	137·20	...	1·57	·26	3·33	...	·43	1·14	1·22	·52	1·84	5·26	·61	10·09	24·40	29·24	26·23	23·45	29·42	25·83
	Walkeshwar	·85	12,51	6,883	3,757	10,640	116	90	206	128·88	·46	·37	...	1·31	·18	·09	·46	1·40	·09	1·12	4·88	·28	8·64	16·85	23·95	19·36	16·80	22·65	18·84
	Mahalakshmi	1·00	26,30	16,608	9,694	26,302	395	331	726	119·33	·19	·76	·34	3·61	·03	·11	2·81	3·26	·15	·98	6·15	·34	8·82	23·78	34·14	27·60	27·19	32·90	29·23
E.	Mazagon	·96	31,32	19,398	10,677	30,075	683	535	1,218	130·09	·09	·26	·43	6·45	·13	·23	4·68	2·02	2·52	·66	10·17	·59	11·93	35·20	49·17	40·16	46·96	50·92	48·55
	Parwadi	·75	37,89	18,141	10,283	28,424	956	590	1,546	162·03	·07	·14	·45	4·99	·73	·31	4·18	6·29	3·37	2·14	11·92	2·88	16·85	52·69	57·37	54·39	57·24	67·28	61·93
	2nd Nagpada	·05	434,00	13,321	8,379	21,700	492	491	984	100·40	...	·09	·18	2·53	·09	...	3·50	6·31	·27	3·96	10·18	·59	17·60	37·00	58·59	45·54	49·61	65·10	56·73
	Kamathipura	·10	367,31	22,523	14,228	36,751	873	810	1,683	107·77	...	·59	·16	2·58	·02	·02	6·09	3·31	·27	4·54	11·45	1·05	15·67	38·76	56·92	45·79	50·78	59·25	54·32
	Tardeo	·26	77,10	17,241	10,517	27,758	572	486	1,058	117·69	·14	1·11	·14	1·94	·07	·10	3·31	5·15	·28	2·37	9·27	·36	13·11	33·17	46·21	38·11	44·21	47·20	43·68
	Byculla	·80	94,18	41,672	27,676	75,348	1,670	1,421	3,091	117·52	·06	·55	·38	4·69	·10	·03	2·68	4·45	·42	·94	11·30	·54	14·81	35·63	51·34	41·62	42·26	53·29	48·67
	1st Nagpada	·05	128,28	4,182	2,232	6,414	106	78	184	135·89	...	·62	·46	2·18	·15	·31	3·49	2·02	·62	1·87	6·23	1·24	10·44	26·34	54·94	28·68	11·12	51·64	45·57
F.	Parel	·86	52,87	28,658	16,616	45,474	836	687	1,523	120·23	·06	·21	1·29	5·15	·06	·04	3·18	3·78	·13	1·40	7·45	·48	9·96	28·62	41·34	33·27	33·57	43·60	37·15
	Sewri	·27	24,76	11,841	7,226	19,067	318	243	561	130·86	...	·10	·57	4·35	·05	·05	2·56	4·02	·10	1·41	7·13	·57	8·14	26·85	33·62	29·42	34·69	40·88	37·66
	Sion	6·66	4,60	18,463	12,217	30,680	532	466	998	114·16	·03	·35	·43	2·96	·16	...	2·77	3·91	·16	2·47	6·58	·71	11·89	28·81	38·14	32·52	25·66	43·09	34·86
G.	Mahim	2·01	15,17	18,271	12,221	30,492	568	440	1,008	129·09	·22	·19	·49	5·11	·09	·02	·68	4·23	·16	2·32	9·08	·65	9·67	31·08	56·00	53·05	52·24	40·07	35·59
	Worli	3·84	31,55	58,475	13,138	89,611	1,180	1,538	2,718	119·54	·18	·51	1·56	5·28	·07	·07	2·86	2·75	·03	2·65	6·61	·35	7·77	25·31	39·75	30·38	37·36	47·39	41·44
	Harbour, Docks, Railways and Homeless	...	...	39,963	5,016	44,979	93	7	100	...	·06	·04	...	·06	·17	·13	·24	·13	·08	...	·24	·48	·53	2·32	1·39	2·22	5·74	4·17	5·61
	Total	22·55	43,45	640,988	339,157	975,445	19,538	15,435	34,981	126·50	·12	·45	·63	4·09	·34	·14	2·72	3·13	·62	2·12	8·82	·71	11·72	30·49	45·50	35·69	33·07	47·81	40·83

TABLE of Deaths registered by Section and Month in 1911.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total No. of deaths registered in 1911.
A.	Upper Colaba	7	10	3	14	7	7	10	5	8	7	11	4	93
	Middle and Lower Colaba	43	49	51	63	51	25	38	28	46	36	37	53	520
	Fort, South	6	3	8	9	6	1	.....	2	3	1	2	6	47
	Fort, North	103	97	111	144	110	52	73	74	64	74	80	100	1,082
	Esplanade	75	62	57	67	43	14	34	32	34	73	71	98	660
B.	Mandvi	122	114	144	113	118	80	98	87	109	119	118	114	1,336
	Chukla	98	120	112	117	128	70	72	78	81	93	85	85	1,139
	Umarkhadi	192	211	233	308	211	120	157	145	141	155	169	209	2,251
	Dongri	110	122	122	125	112	70	77	72	92	83	78	145	1,208
C.	Market	78	87	91	91	80	53	58	70	62	73	67	78	888
	Dhobi Talao	135	139	152	175	136	90	82	78	87	91	82	104	1,351
	Fanaswadi	76	98	97	83	95	56	61	76	51	55	60	86	894
	Bhuleshwar	113	116	141	163	179	106	86	96	82	101	88	88	1,359
	Khara Talao	99	103	113	159	101	61	79	74	81	86	72	87	1,115
	Kumbharwada	103	113	117	146	119	79	69	62	77	74	95	101	1,155
D.	Khetwadi	84	81	90	99	79	65	72	79	77	73	64	86	949
	Girgaum	94	96	114	119	121	65	72	66	64	75	58	87	1,031
	Chowpati	15	28	35	34	26	25	22	23	24	29	23	15	299
	Walkeshwar	18	14	17	18	22	18	19	17	12	17	14	20	206
	Mahalakshmi	61	78	94	94	72	37	47	46	42	32	46	77	726
E.	Mazagon	107	143	204	145	99	74	70	77	77	83	63	66	1,208
	Tarwadi	143	155	176	154	127	71	98	112	116	124	102	168	1,546
	2nd Nagpada	71	77	75	91	122	65	78	81	66	99	71	88	984
	Kamathipura	147	140	176	188	145	93	123	111	142	122	126	170	1,683
	Tardeo	98	92	114	128	87	68	78	71	91	66	67	98	1,058
	Byculla	259	280	403	393	251	190	208	214	201	226	231	235	3,091
	1st Nagpada	21	18	16	25	13	10	17	10	10	15	14	15	184
	Parel	109	160	186	200	132	99	112	116	109	84	96	110	1,513
	Sewri	34	49	64	66	67	27	60	38	31	34	35	56	561
	... ...	86	87	118	99	100	90	77	75	64	47	54	101	998
	... ...	97	95	92	129	84	68	75	89	54	71	72	82	1,008
	... ...	289	314	409	340	240	149	80	196	159	167	146	179	2,718
	Always and Homeless...	17	4	12	6	5	7	4	4	6	9	12	14	100
	Total ...	3,060	3,355	3,947	4,105	3,288	2405	2,406	2,404	2,363	2,494	2,409		

TABLE of Deaths registered from all Causes by Section and Age-Period in 1911.

1	2	3		4		5		6		7		8		9		10		11		12		13				
Ward.	SECTION.	Under 1 year.		1 year and under 5 years.		5 years and under 10 years.		10 years and under 15 years.		15 years and under 20 years.		20 years and under 30 years.		30 years and under 40 years.		40 years and under 50 years.		50 years and under 60 years.		60 years and upwards.		Unspecified.		Total.		Total.
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
A.	Upper Colaba ...	10	8	4	7	4	5	...	1	3	1	11	7	9	5	4	2	1	2	3	6	...	...	49	44	93
	Middle and Lower Colaba ...	55	48	22	39	3	8	19	6	35	15	71	39	50	20	24	12	13	14	14	17	1	...	307	213	520
	Fort, South ...	2	4	...	1	...	2	2	1	3	...	12	3	8	1	2	...	3	...	...	8	...		32	15	47
	Fort, North ...	104	91	46	42	15	17	22	17	48	33	99	80	95	46	60	36	58	39	65	67	1	1	13	469	1,082
	Esplanade ...	55	40	32	23	9	15	7	10	33	18	113	54	78	22	56	9	40	19	15	16	1	...	439	221	660
B.	Mandvi ...	122	141	56	60	14	29	23	26	74	48	182	68	129	40	79	28	30	47	55	33	2	...	816	520	1,336
	Chukla ...	149	131	74	69	20	16	23	26	43	61	93	95	64	37	45	24	46	26	50	47	...	...	607	532	1,139
	Umarkhadi ...	255	248	126	145	31	40	45	53	90	103	207	174	138	81	108	59	91	45	113	99	...	...	1,204	1,047	2,251
	Dongri ...	164	149	83	86	23	25	26	17	40	27	146	59	96	53	53	25	35	27	37	33	...	...	702	506	1,208
C.	Market ...	98	102	48	48	12	13	20	18	70	29	104	56	72	20	57	14	28	20	35	24	...	...	544	344	888
	Dhobi Talao ...	133	127	83	75	28	20	32	21	82	41	140	87	97	42	81	30	58	40	63	71	...	...	797	554	1,351
	Fanaswadi ...	93	93	65	50	13	20	15	19	48	37	85	75	55	39	59	17	26	26	32	27	...	...	491	403	894
	Bhuleshwar ...	150	138	77	79	18	24	19	28	59	55	164	97	95	48	74	23	61	27	70	51	1	...	788	571	1,359
	Khara Talao ...	132	100	45	48	18	25	24	34	45	54	103	93	84	51	52	25	50	20	61	46	...	...	614	501	1,115
	Kumbharwada ...	138	139	86	73	15	30	23	13	57	44	119	83	69	54	42	32	34	30	37	37	...	...	620	535	1,155
D.	Khetwadi ...	125	103	56	62	9	17	15	14	41	33	89	67	62	42	48	28	30	27	38	48	...	...	513	436	949
	Girgaum ...	130	122	68	67	20	30	19	21	48	47	80	90	60	37	45	20	34	23	32	38	...	...	536	495	1,031
	Chowpati ...	46	22	15	21	9	9	14	6	16	17	22	22	17	9	12	3	7	8	15	9	...	...	178	126	299
	Walkeshwar ...	23	21	12	14	5	1	5	3	8	5	15	12	22	11	10	5	8	8	8	10	...	...	116	90	206
	Mahalakshmi ...	96	92	53	53	18	13	18	11	19	30	72	44	48	21	33	21	19	13	19	33	...	...	395	331	726
E.	Mazagon ...	137	141	75	74	25	22	35	18	46	42	129	93	90	44	61	21	49	24	36	46	...	...	683	525	1,208
	Tarwadi ...	182	216	51	68	24	31	22	20	78	38	209	88	176	35	103	30	71	32	40	32	...	...	956	590	1,546
	2nd Nagpada ...	120	101	61	54	16	13	18	19	31	44	84	98	53	47	42	23	28	32	40	60	...	...	493	491	984
	Kamathipura ...	195	155	110	113	13	26	28	42	63	69	168	142	108	75	61	44	54	55	67	89	1	...	878	810	1,688
	Tardeo ...	151	153	76	79	15	14	23	17	36	30	99	67	56	44	44	25	38	19	34	38	...	...	572	486	1,058
	Byculla ...	401	367	183	229	58	68	57	43	123	110	325	282	196	133	102	52	117	77	108	105	...	...	1,670	1,421	3,091
	1st Nagpada ...	20	17	3	13	1	2	2	5	12	13	13	6	12	6	11	5	10	2	17	9	...	...	106	78	184
F.	Parel ...	201	193	97	91	17	27	32	43	76	52	162	103	99	54	49	28	46	35	47	56	...	...	826	687	1,513
	Sewri ...	73	84	39	38	10	8	13	14	27	16	61	30	31	15	14	14	28	10	23	14	...	...	318	243	561
	Sion ...	142	131	72	70	23	19	16	16	32	33	86	75	56	36	38	25	38	21	34	39	...	1	532	466	998
G.	Mahim ...	132	115	71	63	17	21	22	20	35	37	97	56	65	38	52	20	48	18	29	53	...	...	568	440	1,008
	Worli ...	357	342	185	199	52	61	81	54	137	106	278	169	148	84	98	44	78	69	71	110	...	...	1,480	1,238	2,718
	Harbour, Docks, Railways and Homeless	...	...	1	...	...	...	2	...	9	...	31	1	18	2	13	1	6	1	7	2	6	...	93	7	100
	Total ...	4,191	3,929	2,075	2,152	560	671	721	662	1,567	1,283	3,674	2,475	2,456	1,292	1,631	745	1,323	856	1,315	1,388	13	2	19,526	15,435	34,961
	Persons ...	8,120		4,227		1,231		1,383		2,850		6,149		3,748		2,376		2,179		2,683		15		34,961		..
	Percentages to Total Mortality ...	232·25		120·90		35·21		39·55		81·51		175·88		107·20		67·96		62·32		76·74		·42		.....		...

TABLE showing the Population, the Number of Deaths from all Causes

1	2	3													
		Population by the Census of 1911.													
Ward.	SECTION.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other castes.	Hindus, low castes	Mussulmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Other and Unknown Castes.	Total.
A.	Upper Colaba ...	15	68	...	...	521	533	98	104	4	113	45	56	...	1,557
	Middle and Lower Colaba.	149	169	69	2	11,094	1,690	1,190	1,085	170	1,760	223	2,037	41	19,679
	Fort, South ...	...	31	7	...	1,460	247	166	96	93	821	55	486	...	3,462
	Fort, North ...	800	1,075	2	1,497	7,779	1,358	1,440	9,692	12	1,378	155	167	45	25,400
	Esplanade ...	1	270	...	32	6,004	5,556	3,019	503	55	967	248	1,062	44	17,761
B.	Mandvi ...	2,562	2,387	16	1,659	20,360	194	5,217	9	541	186	8	20	43	33,202
	Chukla ...	765	690	...	160	7,383	34	15,082	74	..	34	...	9	...	24,231
	Umarkhadi ...	1,158	351	8	60	11,916	788	29,280	88	1,371	640	39	22	8	45,679
	Dongri ...	351	250	38	8	22,092	1,222	2,571	24	486	166	13	72	8	27,246
C.	Market ...	4,489	3,514	91	2,112	14,032	75	3,415	1,306	...	1,111	62	28	37	30,172
	Dhobi Talao ...	881	2,547	52	1,166	16,226	1,308	1,015	8,619	1	6,461	98	263	12	38,634
	Fanaswadi ...	520	5,104	28	46	16,162	796	502	2,005	2	2,181	7	41	9	27,403
	Bhuleshwar ...	1,949	5,084	...	79	17,194	29	11,377	715	...	28	1	3	...	36,459
	Khara Talao ...	471	173	26	6	5,967	158	15,938	171	28	40	1	...	...	22,979
	Kumbharwada ...	391	847	161	38	23,016	88	2,822	326	3	65	1	...	...	27,702
D.	Khetwadi ...	167	3,443	49	111	15,727	245	3,643	7,326	36	1,037	25	62	16	31,937
	Girgaum ...	378	10,079	36	32	18,184	46	295	582	1	1,010	74	60	..	30,779
	Chowpati ...	191	2,266	...	45	7,224	2	331	859	5	444	4	25	1	11,397
	Walkeshwar ...	275	1,023	14	170	5,888	269	677	1,117	14	831	27	271	64	10,640
	Mahalakshmi ..	34	1,933	18	119	17,191	694	887	4,749	15	1,228	2	131	...	26,302
E.	Mazagon ...	237	411	7	...	18,487	1,235	4,562	1,243	35	3,114	282	413	39	30,075
	Tarwadi ...	200	547	20	6	18,914	1,502	3,080	990	600	1,219	667	678	9	28,424
	2nd Nagpada ...	67	66	...	...	5,309	905	14,690	82	374	196	1	7	3	21,700
	Kamathipura ...	364	825	75	19	21,268	5,432	7,742	174	137	528	61	51	72	36,751
	Tardeo ...	246	810	8	4	12,652	4,209	4,859	3,815	72	884	90	29	74	27,758
	Byculla ..	783	1,348	30	3	42,470	7,831	16,556	833	906	2,720	904	961	3	75,348
	1st Nagpada ..	120	347	4	...	2,796	50	1,233	46	808	606	284	121	1	6,414
F.	Parel ...	592	1,354	113	28	36,596	1,785	2,192	1,681	96	829	83	111	6	45,474
	Sewri ...	201	212	19	...	16,172	919	992	42	7	423	18	62	...	19,067
	Sion ...	459	1,849	30	238	19,459	3,085	2,412	728	21	2,191	92	114	2	30,680
G.	Mahim ...	410	1,230	54	31	20,498	927	3,609	550	40	2,913	103	125	2	30,492
	Worli ...	915	2,374	189	46	65,875	8,666	4,859	1,918	683	3,393	294	399	...	89,611
	Harbour, Docks, Railways and Homeless	319	977	15	68	21,276	2,405	13,560	229	30	1,706	198	4,008	188	44,979
	Total ...	20,460	53,656	1,179	7,780	547,192	54,235	179,346	50,931	6,597	41,273	4,188	11,894	714	979,445

Death-rate per 1,000 of population by Class and Section in 1911.

4

NUMBER OF DEATHS FROM ALL CAUSES EXCLUDING STILL-BORN.

Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other castes.	Hindus, low castes.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Other and unknown castes.	Total.
...	2	...	...	22	26	11	1	1	4	2	24	...	93
6	5	3	...	310	67	45	7	3	25	5	46	...	520
...	...	...	...	12	6	6	...	1	13	1	8	...	47
72	34	...	80	263	128	80	535	...	44	11	12	3	1,082
3	3	...	...	197	198	193	5	...	37	6	27	1	660
240	114	...	53	693	15	208	...	9	2	...	...	...	1,336
84	18	...	8	202	5	829	1	...	...	...	1	...	1,159
30	9	..	...	455	60	1,602	2	43	25	3	1	1	2,231
29	11	1	1	766	212	161	...	15	8	2	2	...	1,208
221	64	...	53	361	6	117	36	...	37	2	1	...	888
57	77	...	36	555	94	56	213	...	259	4	1	...	1,351
46	153	...	2	541	54	80	59	...	47	...	...	2	894
252	128	2	...	395	57	528	13	...	3	...	...	1	1,359
19	6	2	1	156	65	857	6	...	1	...	...	2	1,115
25	18	11	1	875	70	149	4	...	2	...	...	...	1,155
16	54	...	4	523	14	134	190	1	20	...	1	2	949
49	217	2	1	692	7	20	11	...	26	1	2	3	1,031
18	24	...	1	218	1	7	23	...	5	...	...	1	299
16	17	...	4	131	8	13	18	1	7	...	...	1	206
15	23	1	6	476	106	21	68	...	13	...	1	...	726
15	15	...	...	707	63	257	20	...	115	8	8	...	1,208
14	13	...	...	856	94	292	14	16	225	14	24	5	1,546
8	3	1	...	93	167	685	2	13	11	1	...	...	984
13	29	52	1	832	400	309	3	6	52	2	4	...	1,663
15	10	4	...	411	276	314	85	...	85	2	4	2	1,058
35	38	6	...	1,423	502	863	22	25	106	38	34	...	3,091
3	5	...	...	71	11	45	...	19	17	7	5	...	184
46	30	3	1	1,117	136	114	30	1	28	2	5	...	1,513
6	10	1	1	466	24	28	...	...	22	1	2	...	561
13	39	3	10	563	166	94	13	1	25	1	3	1	998
13	35	...	1	526	168	160	15	...	58	1	1	...	1,068
41	65	23	3	1,664	573	161	47	23	93	7	16	1	2,718
...	...	...	...	29	1	48	...	...	3	...	15	4	100
1,453	1,285	214	270	16,670	3,740	8,321	1,242	178	1,423	121	246	30	34,190

5

DEATH-RATE PER 1,000 OF POPULATION AMONGST :—

Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other castes.	Hindus, low castes.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Other and unknown castes.	Total.
.....	29·41	...	...	42·22	8·78	112·24	9·61	250·00	35·39	44·44	428·57	.....	69·73
9·26	17·75	43·47	...	9·91	9·64	37·81	6·45	17·64	14·20	22·42	22·58	.....	26·42
.....	...	...	...	...	4·29	36·14	...	10·75	15·83	18·18	16·46	.....	13·37
31·03	31·62	...	53·44	53·80	4·25	55·55	36·62	...	31·93	70·96	71·85	66·66	42·59
27·27	11·11	...	...	32·81	5·63	65·92	9·24	...	27·92	24·19	25·42	22·72	37·16
33·33	47·75	...	33·15	54·03	7·31	30·86	...	16·63	10·75	...	...	.....	40·23
30·00	26·07	...	50·00	27·36	7·05	54·36	13·51	...	...	...	111·11	.....	47·00
38·46	25·64	...	...	38·18	6·14	54·71	52·68	301·36	39·06	76·92	45·45	125·00	49·27
125·00	5·36	26·31	125·00	24·67	3·48	62·62	...	34·40	48·19	153·84	27·77	.....	44·28
25·00	18·21	...	25·00	25·72	0·00	54·26	29·85	...	24·30	32·25	35·71	.....	29·43
76·92	30·23	...	30·87	34·20	1·80	55·17	24·59	...	40·08	40·81	3·80	.....	34·92
200·00	28·35	...	43·47	53·47	2·71	59·76	19·45	...	21·54	...	...	333·33	32·62
76·92	25·17	...	...	22·97	75·86	36·40	18·18	...	107·14	...	...	.....	37·27
166·66	76·92	166·66	26·14	41·42	1·39	55·77	35·68	...	25·00	...	...	.....	48·52
50·00	21·25	68·32	30·30	38·01	43·29	52·79	12·26	...	30·76	...	...	.....	41·69
86·03	15·63	...	86·03	33·25	7·14	34·03	25·93	27·02	18·39	...	16·12	125·00	29·71
31·25	55·55	31·25	38·05	14·47	5·83	67·79	18·90	...	25·74	13·51	33·33	.....	33·49
22·22	10·59	...	22·22	30·17	0·00	24·14	26·77	...	13·51	...	...	1,000·00	26·29
28·57	16·61	...	28·57	20·55	2·78	19·20	16·11	71·42	8·42	...	...	15·62	19·36
50·00	11·38	55·55	50·42	27·68	2·73	23·67	16·79	...	9·31	...	7·69	.....	27·60
8·33	36·49	...	...	38·14	1·01	56·33	16·00	...	36·93	27·39	19·37	.....	40·16
24·24	21·93	...	...	44·20	2·58	94·80	14·14	26·66	184·57	20·98	35·39	5,000·00	54·39
11·11	45·45	...	...	17·31	4·33	46·03	24·39	34·75	56·12	1000·00	...	.....	45·34
693·33	35·15	693·33	52·63	39·11	3·63	39·91	17·24	43·79	60·60	31·25	78·43	.....	45·79
800·00	12·34	800·00	...	32·48	5·87	44·04	22·28	...	39·59	20·83	157·93	27·02	58·11
200·00	28·18	200·00	...	33·15	4·10	53·06	26·41	27·59	38·97	43·03	35·37	.....	41·02
...	14·40	...	...	25·39	0·00	36·92	...	33·51	28·05	24·32	21·79	.....	28·68
296·54	22·12	296·54	35·71	30·57	0·19	53·00	17·84	10·41	33·77	22·47	45·04	.....	33·27
52·63	47·16	52·63	...	25·81	6·11	28·22	...	...	52·00	55·55	32·25	.....	29·12
66·66	21·09	66·66	42·01	28·68	3·80	38·97	17·85	47·61	42·44	10·86	26·31	500·00	32·52
...	28·45	...	32·25	25·86	1·23	44·33	27·27	...	30·20	9·61	8·00	.....	23·05
121·69	27·37	121·69	66·21	25·25	3·12	53·34	24·50	33·67	27·40	28·80	40·16	.....	30·53
...	...	...	...	1·30	1·41	3·55	...	...	1·75	...	3·74	31·37	2·23
70·23	23·57	93·69	34·70	30·26	3·95	46·39	24·28	21·98	34·55	22·89	39·68	42·01	35·09

TABLE of Deaths registered from CHOLERA by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Females.	Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A	Upper Colaba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Middle and Lower Colaba	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	·05	·45
	Fort, South	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·25
	Fort, North	...	...	...	...	...	...	1	2	1	...	...	...	...	...	4	...	...	·15	·81
	Esplanade	2	...	...	...	...	...	...	...	...	...	1	1	...	...	11	...	...	·61	1·36
B	Mandvi	...	...	...	...	...	...	...	...	1	2	...	...	...	...	3	...	...	·09	·44
	Chukla	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	·04	·23
	Umarkhadi	3	...	...	...	1	...	1	...	2	2	...	3	...	...	12	...	...	·26	·50
	Dongri	4	...	...	...	...	1	...	...	...	...	...	...	...	...	5	...	...	·18	·88
C	Market	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	·03	·48
	Dhobi Talao	3	...	...	...	...	...	...	1	3	1	...	...	...	...	8	...	...	·20	·57
	Fanaswadi	3	...	...	...	...	...	2	...	...	...	...	...	...	...	5	...	...	·18	·58
	Bhuleshwar	1	...	...	...	...	...	...	1	1	...	...	...	...	...	3	...	...	·08	·57
	Khara Talao	4	...	1	...	...	...	...	...	...	1	...	...	...	...	6	...	...	·26	·22
	Kumbharwada	3	...	1	...	...	1	...	...	2	...	...	...	...	...	7	...	...	·25	·51
D	Khetwadi	1	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	·06	·29
	Girgaum	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	·03	·63
	Chowpati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·46
	Walkeshwar	...	...	...	...	...	...	...	1	1	...	...	3	...	...	5	...	...	·46	·15
	Mahalakshmi	...	...	...	...	...	...	...	...	...	...	...	5	...	...	5	...	...	·19	·56
E	Mazagon	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	·03	·68
	Tarwadi	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	...	...	·07	·76
	2nd Nagpada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·18
	Kamathipura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·32
	Tardeo	...	...	...	...	...	...	...	...	...	...	...	4	...	...	4	...	...	·14	·42
	Byculla	1	...	...	...	...	...	1	1	...	...	...	2	...	...	5	...	...	·06	·58
	1st Nagpada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·89
F	Parel	...	...	...	...	...	...	1	...	...	...	1	1	...	...	3	...	...	·06	1·04
	Sewri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·56
	Sion	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	·03	55
G	Mahim	7	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	·22	·76
	Worli	10	2	1	...	...	...	...	2	2	...	...	...	...	...	17	...	...	·18	·51
	Harbour, Docks, Railways and Homeless	2	...	...	...	...	1	...	...	...	...	...	...	...	...	3	...	...	·06	·24
	Total	51	3	3	...	1	3	8	9	13	9	3	20	93	30	123	·14	·08	·12	·53

TABLE of Deaths registered from SMALL-POX by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A.	Upper Colaba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Middle and Lower Colaba	...	1	1	2	1	1	...	...	...	...	...	...	...	...	6	...	...	·30	·26
	Fort, South	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	·25
	Fort, North	...	1	...	...	3	...	...	...	...	...	...	...	...	...	4	...	...	·15	·45
	Esplanade	...	2	...	...	...	...	...	...	...	...	...	1	...	...	3	...	...	·16	·63
B.	Mandvi	...	1	1	1	1	...	1	...	...	...	...	...	...	...	5	...	...	·15	·39
	Chukla	...	...	2	...	3	...	...	...	...	...	...	...	...	...	5	...	...	·20	·27
	Umarkhadi	...	3	3	3	5	1	2	...	...	...	...	...	...	...	17	...	...	·37	·55
	Dongri	...	1	...	2	7	1	...	...	...	...	...	...	...	...	11	...	...	·40	·39
C.	Market	...	2	1	4	1	2	...	...	...	...	...	...	...	...	10	...	...	·33	·39
	Dhobi Talao	1	5	16	8	6	2	1	...	...	...	...	...	...	...	39	...	...	1·00	·95
	Fanaswadi	...	1	9	3	3	2	...	3	...	...	...	...	...	...	21	...	...	·76	·58
	Bbuleshwar	...	...	...	1	1	...	...	1	1	1	...	...	..	...	5	...	...	·13	·41
	Khara Talao	...	1	3	1	...	...	...	...	...	...	...	...	..	...	5	...	...	·21	·51
	Kumbharwada	1	...	3	5	3	3	1	...	...	...	...	...	...	...	16	...	...	·37	·70
D.	Khetwadi	2	3	15	3	6	...	1	...	...	...	1	...	...	...	31	...	...	·97	·41
	Girgaum	...	2	5	9	7	4	4	...	...	2	...	...	...	...	33	...	...	1·07	·77
	Chowpati	...	8	7	1	2	...	...	...	...	...	...	...	...	...	18	...	...	1·57	·15
	Walkeshwar	...	1	2	...	...	...	...	...	1	...	...	...	...	...	4	...	...	·37	...
	Mahalakshmi	...	1	7	6	5	1	...	...	...	...	...	...	...	...	20	...	...	·76	·36
E.	Masagon	...	1	3	1	3	...	...	...	...	...	...	...	...	...	8	...	...	·26	·68
	Tarwadi	...	...	2	1	...	1	...	...	...	...	...	...	...	...	4	...	...	·14	·72
	2nd Nagpada	...	1	...	1	...	...	...	...	...	...	...	...	...	...	2	...	...	·09	·54
	Kamathipura	...	...	5	9	3	1	1	...	1	...	...	2	...	...	22	...	...	·59	·34
	Tardeo	...	4	2	8	10	8	4	...	...	...	...	...	...	...	31	...	...	1·11	·53
	Byculla	...	1	6	7	7	6	2	..	3	4	1	3	2	...	...	42	...	...	·55	·85
	1st Nagpada	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...	4	...	...	·62	1·19
F.	Parel	...	...	1	3	1	...	2	1	1	...	1	...	...	...	...	10	...	...	·21	·78
	Sewri	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2	...	...	·10	·56
	Sion	...	...	1	1	...	2	4	2	...	...	1	...	...	...	...	11	...	...	·35	·58
G.	Mahim	...	1	...	...	...	1	1	1	1	...	...	1	...	..	6	...	...	·19	·38
	Worli	2	...	5	8	7	3	2	1	3	2	4	9	...	...	46	...	...	·51	·82
	Harbour, Docks, Railways and Homeless ..	...	1	1	1	...	...	...	...	...	...	...	...	...	...	2	...	...	·04	·62
	Total	11	45	105	92	82	33	20	12	12	6	10	15	252	191	443	·39	·56	·45	·18

TABLE of Deaths registered from MEASLES by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females	Total. Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A	Upper Colaba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·26
	Middle and Lower Colaba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·19
	Fort, South	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Fort, North	2	1	6	4	1	...	...	...	...	...	...	...	...	...	14	...	...	·55	·13
	Esplanade	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·27
B	Mandvi	4	3	4	1	2	1	...	...	...	...	...	...	...	...	15	...	...	·45	·28
	Chukla	3	4	7	6	1	...	1	...	...	...	...	...	...	...	22	...	...	·90	·37
	Umarkhadi	8	5	10	6	4	3	2	...	...	...	...	...	...	...	38	...	...	·88	·61
	Dongri	3	4	8	7	...	1	1	...	...	...	...	4	...	...	28	...	...	1·02	·61
C	Market	2	4	4	1	1	...	1	...	...	...	...	...	...	...	13	...	...	·43	·14
	Dhobi Talao	8	9	5	8	3	1	2	...	...	...	...	...	...	...	36	...	...	·93	·24
	Fanaswadi	7	10	1	3	2	1	2	1	...	...	...	...	...	...	27	...	...	·98	·27
	Bhuleshwar	5	8	18	5	2	2	...	1	...	...	...	...	...	...	41	...	...	1·78	·26
	Khara Talao	3	6	3	3	4	1	...	...	...	...	...	...	...	...	20	...	...	·87	·33
	Kumbharwada	16	6	7	4	...	...	...	...	...	...	...	...	...	...	33	...	...	1·19	·42
D	Khetwadi	7	3	3	2	...	3	...	...	...	...	...	...	...	...	18	...	...	·56	·17
	Girgaum	4	12	5	1	1	...	...	...	...	...	...	...	...	...	23	...	...	·74	·14
	Chowpati	...	1	1	...	1	...	...	...	...	...	...	...	...	...	3	...	...	·26	·07
	Walkeshwar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mahalakshmi	3	4	1	...	...	...	...	...	...	...	...	1	...	...	9	...	...	·34	·12
E	Mazagon	3	2	6	...	1	...	1	...	...	...	...	...	...	...	13	...	...	·43	·58
	Tarwadi	1	4	4	3	..	...	...	...	...	...	...	1	...	...	13	...	...	·45	·88
	2nd Nagpada	2	2	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	·18	·54
	Kamathipura	4	2	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	·16	·27
	Tardeo	3	1	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	·14	·24
	Byculla	5	13	2	6	2	...	...	...	...	1	...	...	...	...	29	...	...	·88	·72
	1st Nagpada	1	1	1	...	...	...	...	...	...	...	...	...	...	...	3	...	...	·46	·29
F	Parel	7	16	21	9	3	3	...	...	...	...	...	...	...	...	59	...	...	1·29	·63
	Sewri	...	1	2	3	4	1	...	...	...	...	...	...	...	...	11	...	...	·57	·43
	Sion	...	2	10	2	...	1	...	...	...	...	...	...	...	...	15	...	...	·48	·32
G	Mahim	2	2	3	3	5	...	...	...	...	...	...	...	...	...	15	...	...	·49	·32
	Worli	24	19	56	20	8	1	2	...	...	...	...	...	...	...	140	...	...	1.56	·82
	Harbour, Docks, Railways and Homeless	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total	127	155	188	97	45	19	12	2	...	1	...	6	353	299	652	·55	·88	·66	·39

TABLE of Deaths registered from PLAGUE by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females	Total. Total.	Death Ratio per 1,000 of population. Males.	Females	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A	Upper Colaba	...	2	...	6	1	1	...	...	...	...	...	...	...	...	10	...	...	6·42	2·38
	Middle and Lower Colaba	4	11	11	30	22	4	...	3	5	4	4	5	...	...	103	...	...	5·23	9·07
	Fort, South	1	1	4	5	1	...	...	1	...	...	1	...	...	...	14	...	...	4·04	5·07
	Fort, North	1	4	15	65	35	4	2	1	1	...	...	1	...	...	129	...	...	5·07	5·52
	Esplanade	1	1	3	13	5	...	2	...	1	1	1	1	...	...	29	...	...	1·63	3·81
B	Mandvi	4	9	33	24	25	12	4	4	10	1	1	6	...	...	133	...	...	4·00	7·78
	Chukla	7	14	14	16	19	4	3	...	3	2	1	3	...	...	86	...	...	3·54	6·47
	Umarkhadi	5	24	45	100	41	7	3	...	1	1	2	9	...	...	238	...	...	5·21	6·54
	Dongri	5	18	29	33	22	4	1	7	..	...	3	3	...	...	125	...	...	4·58	7·86
C	Market	4	4	25	34	24	10	6	2	2	2	3	2	...	...	118	...	...	3·91	6·68
	Dhobi Talao	3	9	37	63	60	16	5	1	3	1	1	...	...	...	199	...	...	5·14	9·04
	Fanaswadi	1	14	28	41	41	9	...	...	4	...	2	...	...	...	140	...	...	5·10	8·82
	Bhuleshwar	2	5	12	43	58	16	5	3	2	1	...	...	...	...	147	...	...	4·03	9·93
	Khara Talao	2	3	28	51	23	5	6	1	2	3	1	...	...	...	130	...	...	5·65	7·35
	Kumbharwada	...	8	26	54	41	10	6	1	1	1	2	...	...	...	150	...	...	5·41	6·28
D	Khetwadi	1	1	5	33	12	4	3	...	2	...	1	...	...	...	67	...	...	2·09	4·46
	Girgaum	4	2	10	27	32	8	5	...	1	...	1	1	...	...	91	...	...	2·95	4·18
	Chowpati	...	2	5	17	8	2	1	2	...	1	...	...	...	...	38	...	...	3·33	4·37
	Walkeshwar	1	...	2	5	3	2	1	...	...	...	...	...	...	...	14	...	...	1·81	2·75
	Mahalakshmi	1	10	26	35	20	1	1	...	...	...	...	1	...	...	95	...	...	3·61	3·81
E	Mazagon	8	40	66	49	24	3	1	2	...	...	1	...	...	...	194	...	...	6·45	9·42
	Tarwadi	4	24	35	45	22	4	3	1	...	3	1	...	...	...	142	...	...	4·99	7·61
	2nd Nagpada	...	1	4	21	27	2	...	...	...	...	...	...	...	...	55	...	...	2·53	5·67
	Kamathipura	2	4	20	25	20	11	7	2	2	...	...	2	...	...	95	...	...	2·58	6·60
	Tardeo	2	5	14	22	6	4	...	...	1	...	...	...	...	...	54	...	...	1·94	5·14
	Byculla	4	46	112	138	37	2	6	1	1	5	1	1	...	...	354	...	...	4·69	7·00
	1st Nagpada	...	1	2	5	5	...	1	...	...	...	...	...	...	...	14	...	...	2·18	4·49
F	Parel	15	23	52	82	37	7	3	10	3	2	1	...	...	...	235	...	...	5·15	5·87
	Sewri	4	2	16	18	13	5	15	9	1	...	...	...	...	...	83	...	...	4·35	8·13
	Sion	3	8	15	20	9	15	3	2	5	1	...	5	...	...	91	...	...	2·96	4·98
G	Mahim	5	21	31	49	22	13	2	9	2	...	1	2	...	...	156	...	...	5·11	4·81
	Worli	18	64	145	136	85	13	7	3	7	4	1	1	...	...	474	...	...	5·28	7·10
	Harbour, Docks, Railways and Homeless	...	...	2	1	...	...	...	...	...	...	...	...	...	...	3	...	...	·06	·15
	Total	112	386	872	1,296	800	197	112	65	60	33	30	43	2,830	1,176	4,006	4·41	3·46	4·09	6·42

TABLE of Deaths registered from MALARIA by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A	Upper Colaba	...	1	...	1	...	...	...	...	...	...	...	...	...	...	2	...	...	1·28	·52
	Middle and Lower Colaba	1	1	1	1	...	...	1	...	2	1	...	1	...	...	9	...	...	·45	·45
	Fort, South	...	...	...	1	...	...	...	...	1	...	...	...	...	...	2	...	...	·57	·76
	Fort, North	1	3	2	3	1	1	3	1	2	3	3	5	...	...	28	...	...	1·10	·86
	Esplanade	2	1	1	2	3	...	3	5	4	8	5	6	...	...	40	...	...	2·25	1·99
B	Mandvi	2	1	...	...	...	...	1	2	1	4	4	1	...	...	16	...	...	·48	·41
	Chukla	3	...	1	1	...	3	1	1	...	...	2	1	...	...	13	...	...	·53	·17
	Umarkhadi	6	1	3	2	2	1	2	3	1	2	6	3	...	...	32	...	...	·70	·24
	Dongri	...	3	3	...	...	...	2	5	13	11	8	6	...	...	51	...	...	1·87	·70
C	Market	1	...	1	...	...	...	2	2	2	2	1	1	...	...	12	...	...	·39	·28
	Dhobi Talao	1	2	...	...	...	3	...	3	2	1	1	1	...	...	14	...	...	·36	·32
	Fanaswadi	1	2	...	...	...	...	...	...	...	1	2	...	...	...	6	...	...	·21	·17
	Bhuleshwar	...	...	...	...	1	...	...	2	...	...	1	2	...	...	6	...	...	·16	·26
	Khara Talao	1	2	2	...	...	...	1	...	...	2	...	1	...	...	9	...	...	·39	·22
	Kumbharwada	1	...	1	...	...	...	1	...	...	...	...	2	...	...	5	...	...	·18	·03
D	Khetwadi	4	...	1	...	...	1	1	1	...	...	1	3	...	...	12	...	...	·87	·14
	Girgaum	2	...	...	1	...	...	...	...	2	2	...	1	...	...	8	...	...	·25	·24
	Chowpati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·30
	Walkeshwar	...	...	1	...	...	...	...	...	...	1	...	...	...	...	2	...	...	·18	·31
	Mahalakshmi	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	·03	·08
E	Mazagon	...	1	...	...	...	1	...	...	1	...	1	...	...	...	4	...	...	·13	·16
	Tarwadi	2	2	1	1	...	...	2	2	2	...	4	5	...	...	21	...	...	·73	·57
	2nd Nagpada	...	...	...	...	...	...	...	...	...	1	...	1	...	...	2	...	...	·09	·04
	Kamathipura	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	·02	·08
	Tardeo	...	...	1	...	...	...	...	...	...	1	...	...	...	...	2	...	...	·07	·07
	Byculla	...	...	...	...	1	2	...	...	...	1	3	1	...	...	8	...	...	·10	·07
	1st Nagpada	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	·15	·29
F	Parel	...	...	1	...	...	...	...	1	...	...	1	...	...	...	3	...	...	·06	·04
	Sewri	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	·05	·06
	Sion	2	1	...	...	1	...	...	...	1	...	...	...	...	...	5	...	...	·16	·13
G	Mahim	...	...	...	...	1	...	1	...	...	...	...	1	...	...	3	...	...	·09	·06
	Worli	1	4	...	...	...	...	...	...	1	...	...	1	...	...	7	...	...	·07	·04
	Harbour, Docks, Railways and Homeless	2	...	1	...	...	2	...	...	...	...	1	2	...	...	8	...	...	·17	·21
	Total	34	25	21	14	11	14	21	28	35	41	45	45	232	102	334	·36	·30	·34	·35

TABLE of Deaths registered from ENTERIC FEVER by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A.	Upper Colaba	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	·64	·52
	Middle and Lower Colaba	...	1	1	...	1	...	2	1	...	1	...	1	...	...	8	...	...	·40	·26
	Fort, South	1	...	1	...	...	...	...	...	...	...	...	1	...	...	3	...	...	·36	·50
	Fort, North	4	...	1	1	1	...	...	2	...	...	3	...	...	...	12	...	...	·47	·20
	Esplanade	...	1	...	...	1	...	1	...	...	1	1	1	...	...	6	...	...	·38	·58
B.	Mandvi	...	...	...	...	...	...	...	...	1	...	1	...	...	...	2	...	...	·06	·10
	Chukla	...	...	...	...	...	...	1	...	...	...	...	1	...	...	2	...	...	·08	·03
	Umarkhadi	...	...	...	...	...	3	2	1	2	...	...	...	...	...	8	...	...	·17	·11
	Dongri	...	1	...	1	...	...	...	...	...	...	...	...	...	...	2	...	...	·07	·03
C.	Market	...	...	...	...	1	...	...	2	...	...	1	...	...	...	4	...	...	·13	·06
	Dhobi Talao	2	...	2	1	2	1	...	1	3	...	2	2	...	...	16	...	...	·41	·30
	Fanaswadi	...	...	1	1	...	...	...	1	...	1	...	...	...	...	4	...	...	·14	·13
	Bhuleshwar	...	...	...	1	...	...	...	...	...	2	...	...	...	...	3	...	...	·08	·05
	Khara Talao	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	·04	·07
	Kumbharwada	...	...	...	...	1	...	1	...	...	...	...	1	...	...	3	...	...	·10	·03
D.	Khetwadi	...	...	...	2	2	1	...	2	...	...	...	...	...	...	7	...	...	·21	·20
	Girgaum	1	...	1	1	3	...	1	1	...	...	...	2	...	...	10	...	...	·32	·17
	Chowpati	...	...	...	...	2	...	2	1	...	...	...	...	...	...	5	...	...	·48	·15
	Walkeshwar	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	·09	·07
	Mahalakshmi	...	...	1	...	1	...	...	1	...	...	...	...	...	...	3	...	...	·11	·16
E.	Mazagon	...	1	1	...	1	...	2	1	...	...	1	...	...	...	7	...	...	·23	·12
	Tarwadi	1	...	3	1	1	...	...	...	2	...	...	1	...	...	9	...	...	·31	·41
	2nd Nagpada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·09
	Kamathipura	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	·02	·02
	Tardeo	...	...	...	...	1	...	...	1	...	...	1	...	...	...	3	...	...	·10	·14
	Byculla	1	...	...	...	...	...	...	1	1	...	...	...	...	...	3	...	...	·03	·09
	1st Nagpada	...	...	...	1	...	...	...	...	...	...	...	1	...	...	2	...	...	·31	·29
F.	Parel	...	...	...	...	...	...	...	1	1	...	...	...	...	...	2	...	...	·04	·06
	Sewri	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	·05	.....
	Sion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·06
G.	Mahim	...	...	...	...	...	...	...	2	...	1	...	...	...	...	3	...	...	·09	·09
	Worli	...	...	2	...	2	...	1	...	1	1	...	...	...	...	7	...	...	·07	·05
	Harbour, Docks, Railways and Homeless	...	...	...	...	1	1	...	...	3	1	...	...	...	...	6	...	...	·13	·15
	Total	11	4	14	10	21	7	13	19	16	9	10	11	99	46	145	·15	·13	·14	·12

TABLE of Deaths registered from FEVERS (excluding MALARIAL and ENTERIC FEVERS) by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A.	Upper Colaba	...	...	...	2	...	...	1	1	...	...	...	1	...	...	5	...	...	3·21	·26
	Middle and Lower Colaba	4	1	3	4	2	2	2	2	6	4	4	2	...	...	36	...	...	1·82	2·54
	Fort, South	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	·28	2·02
	Fort, North	9	10	12	8	11	8	14	10	7	9	6	14	...	...	118	...	...	4·64	4·37
	Esplanade	10	9	16	17	8	5	6	3	6	25	26	32	...	...	163	...	...	9·17	8·62
B.	Mandvi	18	17	15	14	9	8	3	7	10	15	17	10	...	...	143	...	...	4·30	3·45
	Chukla	4	7	2	11	5	4	6	3	2	4	3	3	...	...	54	...	...	2·22	1·94
	Umarkhadi	9	5	10	16	7	3	5	6	5	4	7	4	...	...	81	...	...	1·77	3·58
	Dongri	10	7	6	4	6	10	5	1	1	3	5	12	...	...	69	...	...	2·53	4·31
C.	Market	7	3	7	1	6	2	5	11	4	5	5	4	...	...	60	...	...	1·98	2·09
	Dhobi Talao	8	11	8	9	5	9	9	6	4	9	4	5	...	...	87	...	..	2·24	2·62
	Fanaswadi	10	6	3	4	6	4	9	3	4	7	6	10	...	...	72	...	...	2·62	2·08
	Bhuleshwar	6	7	11	5	3	6	5	7	2	8	15	5	...	...	80	...	...	2·19	2·28
	Khara Talao	5	6	...	5	2	1	3	7	7	7	6	7	...	...	56	...	...	2·43	4·19
	Kumbharwada	4	5	3	6	2	3	5	3	6	4	9	8	...	...	58	...	...	2·09	2·65
D.	Khetwadi	4	4	4	3	2	3	3	5	3	6	2	1	...	...	39	...	...	1·22	2·20
	Girgaum	3	6	6	6	8	4	8	4	6	4	2	3	...	...	60	...	...	1·94	1·96
	Chowpati	...	...	1	...	1	...	1	2	1	4	2	1	...	...	13	...	...	1·14	·99
	Walkeshwar	1	1	...	...	1	1	...	...	...	...	...	1	...	...	5	...	...	·46	·94
	Mahalakshmi	6	12	5	6	9	1	4	5	4	3	9	10	...	...	74	...	...	2·81	3·32
E.	Mazagon	13	23	14	13	9	9	10	9	10	11	9	11	...	...	141	...	...	4·68	4·85
	Tarwadi	13	10	10	10	7	6	3	14	8	8	12	18	...	...	119	...	...	4·18	5·32
	2nd Nagpada	5	4	5	7	7	7	6	6	3	14	6	6	...	...	76	...	...	3·50	4·76
	Kamathipura	9	19	35	25	19	13	11	16	19	19	19	20	...	...	224	...	...	6·09	5·45
	Tardeo	7	10	8	12	7	8	3	8	4	6	7	12	...	...	92	...	...	3·81	4·89
	Byculla	14	13	19	23	20	14	18	19	9	21	16	16	...	...	202	...	...	2·63	4·68
	1st Nagpada	2	1	2	2	1	...	...	1	2	1	...	4	...	...	16	...	...	2·49	3·89
F.	Parel	7	10	5	6	12	19	11	11	13	15	17	19	...	...	145	...	...	3·18	2·69
	Sewri	2	4	2	1	4	1	3	2	4	5	8	13	...	...	49	...	...	2·56	3·00
	Sion	7	4	7	5	10	5	3	3	10	6	7	18	...	...	85	...	...	2·77	3·14
G.	Mahim	2	2	...	...	1	...	2	2	1	4	5	2	...	...	21	...	...	·68	1·63
	Worli	17	20	18	18	26	22	14	21	14	17	11	14	...	...	212	...	...	2·36	2·74
	Harbour, Docks, Railways and Homeless	...	1	1	1	...	...	1	1	...	1	3	2	...	...	11	...	...	·24	·77
	Total	216	238	237	244	217	178	178	199	175	249	248	288	1,652	1,015	2,667	2·58	2·99	2·72	3·28

TABLE of Deaths registered from DIARRHŒA and DYSENTERY by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A.	Upper Colaba	...	...	...	1	1	...	2	1	1	...	...	...	...	...	6	...	...	5·85	2·64
	Middle and Lower Colaba	6	3	3	2	1	3	5	6	6	3	6	12	...	...	56	...	...	2·84	2·93
	Fort, South	...	...	1	...	...	1	...	...	...	...	...	1	...	...	3	...	...	·86	1·26
	Fort, North	9	7	8	7	7	...	11	6	6	4	3	12	...	...	80	...	...	3·16	2·98
	Esplanade	10	4	3	7	3	2	5	5	3	4	8	8	...	...	62	...	...	3·49	6·17
B.	Mandvi	4	2	2	3	1	1	...	3	5	3	8	4	...	...	36	...	...	1·08	1·75
	Chukla	2	3	3	3	5	1	3	3	6	7	6	5	...	...	47	...	...	1·93	1·77
	Umarkhadi	15	16	12	21	14	17	22	16	12	12	14	21	...	...	192	...	...	4·20	3·60
	Dongri	11	8	11	9	13	2	13	8	12	11	9	22	...	...	129	...	...	4·75	4·71
C.	Market	6	6	4	4	1	1	6	6	7	2	2	7	...	...	52	...	...	1·72	1·75
	Dhobi Talao	13	9	3	3	5	5	11	14	9	11	3	10	...	...	106	...	...	2·74	2·75
	Fanaswadi	7	3	2	3	4	2	3	1	5	2	7	8	...	...	52	...	...	1·89	1·98
	Bhuleshwar	8	12	17	3	15	7	5	12	6	11	6	8	...	...	115	...	...	3·15	2·72
	Khara Talao	6	5	5	6	3	5	5	7	7	8	5	7	...	...	69	...	...	3·00	4·49
	Kumbharwada	8	6	7	5	4	5	8	10	11	7	13	10	...	...	94	...	...	3·39	3·05
D.	Khetwadi	3	6	7	6	5	4	4	3	3	3	4	6	...	...	64	...	...	2·00	3·00
	Girgaum	7	5	4	1	7	4	3	4	4	2	4	5	...	...	55	...	...	1·73	2·21
	Chowpati	2	2	...	1	2	2	3	...	...	1	1	...	...	...	14	...	...	1·22	1·76
	Walkeshwar	3	4	...	1	2	2	1	...	...	1	1	1	...	...	15	...	...	1·40	1·49
	Mahalakshmi	9	9	7	9	5	4	11	9	6	2	5	10	...	...	86	...	...	3·26	3·20
E.	Mazagon	6	7	8	2	4	5	5	10	5	4	3	2	...	...	61	...	...	2·02	4·53
	Tarwadi	26	18	9	8	14	11	14	20	12	16	12	19	...	...	179	...	...	6·29	7·80
	2nd Nagpada	11	13	13	7	16	12	14	17	9	10	5	10	...	...	137	...	...	6·31	4·86
	Kamathipura	25	8	7	8	7	6	15	8	14	4	6	14	...	...	122	...	...	3·31	4·63
	Tardeo	11	14	18	18	15	3	14	14	10	3	12	11	...	...	143	...	...	5·15	4·39
	Byculla	31	22	53	32	22	19	22	32	27	26	36	34	...	...	336	...	...	4·45	4·68
	1st Nagpada	4	1	1	1	1	2	1	1	...	...	...	1	...	...	13	...	...	2·02	4·19
F.	Parel	14	17	24	22	6	7	20	22	12	9	4	15	...	...	172	...	...	3·78	3·55
	Sewri	2	3	2	15	9	4	10	8	5	6	1	7	...	...	77	...	...	4·03	4·75
	Sion	8	9	13	12	12	10	13	14	9	6	4	10	...	...	120	...	...	3·91	4·85
G.	Mahim	14	7	7	12	8	5	19	15	5	15	9	13	...	...	129	...	...	4·23	4·24
	Worli	18	21	19	22	23	20	35	29	11	17	11	21	...	...	247	...	...	2·75	4·46
	Harbour, Docks, Railways and Homeless	...	...	2	...	...	...	...	...	1	1	1	1	...	...	6	...	...	·13	·52
	Total	298	255	255	264	235	172	313	309	234	211	214	315	1,661	1,414	3,075	2·59	4·16	3·13	3·55

TABLE of Deaths registered from TUBERCLE OF LUNGS including other TUBERCULAR DISEASES by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A.	Upper Colaba	...	...	...	...	...	...	...	1	1	...	2	...	...	...	4	...	...	2·56	1·05
	Middle and Lower Colaba	1	2	...	...	...	...	3	2	1	...	1	1	...	...	11	...	...	·55	·39
	Fort, South	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	·28	·25
	Fort, North	1	3	...	4	2	2	...	3	4	5	4	1	...	...	29	...	...	1·14	·79
	Esplanade	1	1	3	1	2	1	1	2	1	2	3	2	...	...	20	...	...	1·12	2·08
B.	Mandvi	...	...	...	...	...	3	3	1	1	4	...	4	...	...	16	...	...	·48	·31
	Chukla	...	1	...	1	...	1	...	2	...	2	...	...	...	...	7	...	...	·28	·47
	Umarkhadi	10	12	6	14	14	7	4	10	4	7	12	9	...	...	109	...	...	2·38	2·36
	Dongri	2	3	2	4	2	...	1	4	2	2	1	...	...	...	23	...	...	·84	1·25
C.	Market	1	...	1	2	...	3	1	1	1	...	2	2	...	...	14	...	...	·46	·42
	Dhobi Talao	1	1	2	4	3	1	2	...	4	3	3	3	...	...	27	...	...	·69	·71
	Fanaswadi	2	...	1	...	...	...	1	1	...	1	1	2	...	...	9	...	...	·32	·23
	Bhuleshwar	2	...	1	2	...	1	...	...	...	2	...	...	...	...	8	...	...	·21	·49
	Khara Talao	...	...	1	1	1	1	...	...	2	2	...	2	...	...	10	...	...	·43	·37
	Kumbharwada	...	...	2	2	1	2	...	1	...	...	1	1	...	...	10	...	...	·36	·24
D.	Khetwadi	2	...	2	1	...	1	1	...	...	4	5	2	...	...	18	...	...	·56	·59
	Girgaum	1	...	2	...	4	5	4	4	2	2	...	3	...	...	27	...	...	·87	·59
	Chowpati	...	1	...	1	...	1	1	...	1	...	...	1	...	...	6	...	...	·52	·38
	Walkeshwar	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	·09	·23
	Mahalakshmi	...	...	...	...	...	1	...	...	1	1	1	...	...	...	4	...	...	·15	·16
E.	Mazagon	...	2	12	13		7	3	11	10	7	3	3	...	...	76	...	...	2·52	·22
	Tarwadi	3	11	10	2	8	5	6	9	9	11	8	14	...	...	96	...	...	3·37	1·75
	2nd Nagpada	...	...	1	1	...	1	...	...	...	1	2	...	...	...	6	...	...	·27	·54
	Kamathipura	...	1	...	...	...	...	1	1	1	1	3	2	...	...	10	...	...	·27	·52
	Tardeo	...	1	1	1	...	1	1	...	1	...	...	2	...	...	8	...	...	·28	·39
	Byculla	2	2	3	1	1	6	2	2	4	5	3	1	...	...	32	...	...	·42	·32
	1st Nagpada	1	...	...	2	...	...	1	...	...	...	...	...	...	...	4	...	...	·62	1·19
F.	Parel	1	2	...	1	...	...	...	...	1	...	...	1	...	...	6	...	...	·13	·14
	Sewri	...	...	1	...	1	...	...	...	...	...	...	...	...	...	2	...	...	·10	·12
	Sion	1	...	...	...	1	...	...	...	1	...	1	1	...	...	5	...	...	·16	·13
G.	Mahim	...	...	...	...	1	...	...	1	...	...	...	3	...	...	5	...	...	·16	·12
	Worli	...	...	2	...	...	...	...	...	2	...	3	1	...	...	8	...	...	·08	·11
	Harbour, Docks, Railways and Homeless	...	...	...	1	1	...	...	...	...	...	...	2	...	...	4	...	...	·08	·12
	Total	32	43	53	59	47	50	37	57	54	62	59	63	269	347	616	·41	1·02	·82	·55

TABLE of Deaths registered from RESPIRATORY DISEASES (including Phthisis) by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A.	Upper Colaba	2	2	1	1	2	1	2	2	3	1	2	...	...	...	19	...	...	12·20	4·23
	Middle and Lower Colaba	11	15	15	10	10	8	13	7	11	10	16	12	...	...	138	...	...	7·01	10 64
	Fort, South	3	1	1	...	3	...	...	...	...	...	...	1	...	...	9	...	...	2·59	3·29
	Fort, North	40	35	37	21	17	15	16	21	21	13	18	23	...	...	277	...	...	10·90	10·59
	Esplanade	20	17	17	14	12	3	7	6	7	13	14	16	...	...	146	...	...	8·22	15·16
B.	Mandvi	36	43	51	39	38	23	43	28	31	45	39	47	...	...	463	...	...	13·94	14·36
	Chukla	40	45	44	29	35	30	22	30	28	32	28	33	...	...	396	...	...	16 34	15·76
	Umarkhadi	71	82	86	85	68	35	53	57	62	63	68	81	...	...	811	...	...	17·75	15·51
	Dongri	41	51	37	42	37	24	31	21	35	21	23	56	...	...	419	...	...	15·37	13·68
C.	Market	32	33	26	23	17	14	23	17	17	22	20	26	...	...	270	...	...	8·94	7·70
	Dhobi Talao	45	51	43	26	27	22	17	23	24	28	26	38	...	...	373	...	...	9·64	10·87
	Fanaswadi	29	45	30	14	16	16	16	31	14	19	22	23	...	...	275	...	...	10·05	8·82
	Bhuleshwar	35	46	45	49	45	37	22	24	29	34	30	35	...	...	431	..	...	11·82	14·39
	Khara Talao	31	41	30	42	37	12	31	26	24	23	28	25	...	...	350	...	...	15·28	16·81
	Kumbharwada	40	51	41	32	37	20	20	21	20	31	32	38	...	...	383	...	...	13·82	13·23
D.	Khetwadi	30	28	32	27	20	20	23	29	28	25	23	28	...	...	313	...	...	9·80	9·91
	Girgaum	38	34	43	37	26	18	23	23	17	23	22	35	...	...	339	...	...	11·01	10·75
	Chowpati	5	10	12	6	1	7	5	8	11	8	3	5	...	...	81	...	...	7·10	6·98
	Walkeshwar	8	6	5	5	5	5	4	3	3	8	4	8	...	...	64	...	...	6·01	4·96
	Mahalaksbmi	18	22	25	19	12	10	13	10	11	11	14	23	...	...	188	...	...	7·14	7·95
E.	Mazagon	37	30	47	34	26	30	23	23	22	20	18	16	...	...	326	...	...	10·83	11·72
	Tarwadi	44	38	54	29	33	16	26	19	34	44	26	37	...	...	400	...	...	14·07	13·77
	2nd Nagpada	21	29	26	30	36	18	25	25	18	27	26	26	...	...	307	...	...	14·14	13·62
	Kamathipura	56	64	53	54	47	23	40	41	52	45	47	66	...	...	588	...	...	15·99	15·89
	Tardeo	41	27	35	25	28	19	30	23	33	30	24	28	...	...	343	...	...	12·35	13·62
	Byculla	90	81	109	90	69	70	70	64	69	70	68	78	...	...	928	...	...	12·24	14·70
	1st Nagpada	8	4	3	5	2	4	6	3	3	6	6	2	...	...	52	...	...	8·10	13·49
F.	Parel	32	50	40	48	35	22	32	29	25	27	31	32	...	...	403	...	...	8·86	11·90
	Sewri	11	19	24	12	19	6	19	6	10	7	12	18	...	...	163	...	...	8·54	9·63
	Sion	31	28	34	25	30	28	21	17	16	15	14	19	...	...	278	...	...	9·06	9·50
G.	Mahim	35	35	26	33	25	25	29	34	19	25	28	34	...	...	348	...	...	11·41	11·48
	Worli	79	104	95	65	53	42	62	73	64	65	62	67	...	...	831	...	...	9·27	13·48
	Harbour, Docks Railways and Homeless	2	2	1	...	1	1	1	...	...	2	...	1	...	...	11	...	...	24	·77
	Total	1,062	1,172	1,168	971	869	624	768	744	761	813	794	972	5,835	4,883	10,718	9·11	14·39	10·94	12·15

TABLE of Deaths registered from INJURIES by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A.	Upper Colaba	...	...	...	...	...	...	2	...	...	...	...	1	...	...	3	...	...	1·92	·52
	Middle and Lower Colaba	2	1	...	1	2	...	2	...	...	1	...	2	...	...	11	...	...	·55	1·04
	Fort, South	1	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	·57	1·76
	Fort, North	3	4	4	4	7	...	2	3	2	1	3	4	...	...	37	...	...	1·45	·93
	Esplanade	7	4	2	1	4	2	1	2	1	7	1	9	...	...	41	...	...	2·30	5·08
B.	Mandvi	3	2	2	1	1	...	2	...	1	1	2	1	...	...	16	...	...	·48	·65
	Chukla	2	1	3	...	...	...	...	...	2	...	4	...	...	...	12	...	...	·49	·68
	Umarkhadi	9	3	1	2	6	...	1	...	3	5	4	4	...	...	38	...	...	·83	·57
	Dongri	1	2	2	...	1	2	1	...	...	2	3	4	...	...	18	...	...	·66	·70
C.	Market	1	1	2	1	3	1	1	3	1	4	2	2	...	...	22	...	...	·72	·62
	Dhobi Talao	4	3	2	3	1	1	1	...	1	3	4	4	...	...	27	...	...	·69	·79
	Fanaswadi	...	...	...	1	3	2	...	1	2	3	1	2	...	...	15	...	...	·54	·51
	Bhuleshwar	5	1	...	...	1	...	2	2	1	...	1	2	...	...	15	...	...	·41	·68
	Khara Talao	6	1	3	2	...	1	1	...	2	2	5	2	...	...	25	...	...	1·08	1·07
	Kumbharwada	2	1	2	2	...	4	1	...	1	1	1	3	...	...	18	...	...	·64	·48
D.	Khetwadi	5	2	1	1	3	...	...	5	4	1	3	3	...	...	28	...	...	·87	·53
	Girgaum	...	2	3	1	1	...	3	2	...	1	1	2	...	...	16	...	...	·51	·45
	Chowpati	1	...	1	...	...	1	...	1	...	2	1	...	...	...	7	...	...	·61	·61
	Walkeshwar	1	...	1	...	...	...	...	...	...	...	...	1	...	...	3	...	...	·28	·39
	Mahalakshmi	...	...	...	...	...	2	...	...	1	2	2	2	...	...	9	...	...	·34	·40
E.	Mazagon	2	...	3	...	1	1	1	1	2	3	1	3	...	...	18	...	...	·59	·74
	Tarwadi	5	7	8	6	3	3	6	9	10	6	8	11	...	...	82	...	...	2·88	2·81
	2nd Nagpada	...	1	1	...	2	1	2	1	1	1	2	1	...	...	13	...	...	·59	·72
	Kamathipura	3	5	3	1	1	3	4	4	4	2	5	3	...	...	38	...	...	1·03	·74
	Tardeo	2	...	...	...	...	1	1	...	2	1	1	2	...	...	10	...	...	·36	·42
	Byculla	6	4	4	1	4	1	5	2	3	2	3	6	...	...	41	...	...	·54	·56
	1st Nagpada	...	1	1	...	...	...	2	...	...	1	...	3	...	...	8	...	...	1·24	·89
F.	Parel	1	1	1	2	3	4	3	2	...	1	2	2	...	...	22	...	...	·48	·63
	Sewri	1	1	1	...	3	...	...	1	1	...	...	3	...	...	11	..	...	·57	·56
	Sion	2	2	...	2	2	3	...	1	1	2	4	3	...	..	22	...	...	·71	·58
G.	Mahim	2	1	2	2	2	3	2	1	1	1	3	...	...	...	20	...	...	·65	·60
	Worli	2	4	5	4	2	1	4	3	1	2	2	2	...	...	32	...	...	·35	·54
	Harbour, Docks, Railways and Homeless	5	...	1	...	1	1	1	1	1	2	5	4	...	...	22	...	...	·48	1·11
	Total	84	55	59	38	57	38	51	45	49	60	74	92	525	177	702	·81	·52	·71	·76

TABLE of Deaths registered from OTHER CAUSES by Section and Month in 1911.

1	2	3												4			5			6
Ward.	SECTION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males	Total. Females	Total. Total.	Death Ratio per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 of population during the previous 5 years.
A.	Upper Colaba	5	5	2	3	3	5	3	...	2	6	7	2	...	...	43	...	...	27·61	10·35
	Middle and Lower Colaba	14	13	16	13	12	7	10	7	15	13	6	16	...	...	141	...	...	7·16	8·94
	Fort, South	...	1	1	3	1	...	...	...	2	1	1	2	...	...	12	...	...	8·46	5·32
	Fort, North	33	29	26	27	25	22	24	25	20	39	40	40	...	...	350	...	...	13·77	13·16
	Esplanade	15	22	12	12	5	1	8	9	11	12	11	21	...	...	189	...	...	7·82	14·88
B	Mandvi	51	36	36	30	41	32	41	42	48	44	46	41	...	...	488	...	...	14·69	12·91
	Chukla	37	45	36	50	60	27	35	39	40	45	41	39	...	...	494	...	...	20·38	14·57
	Umarkhadi	56	60	57	59	49	43	60	52	49	59	56	74	...	...	675	...	...	14·77	12·60
	Dongri	33	24	25	23	24	25	22	26	29	33	26	26	...	...	328	...	...	12·03	11·69
C	Market	24	34	20	21	26	20	13	26	28	36	30	34	...	...	312	...	...	10·34	9·85
	Dhobi Talao	46	36	34	45	24	29	31	29	34	34	33	41	...	...	419	...	...	10·33	12·40
	Fanaswadi	16	17	22	13	20	20	23	34	22	21	19	41	...	...	268	...	...	9·77	8·68
	Bhuleshwar	49	37	37	49	53	37	47	43	40	42	35	36	...	...	505	...	...	13·85	11·69
	Khara Talao	40	33	37	48	31	35	32	33	37	38	27	43	...	...	434	...	...	18·88	16·48
	Kumbharwada	28	36	24	36	30	31	26	26	36	30	37	38	...	...	378	...	...	13·64	10·40
D.	Khetwadi	25	34	20	21	29	28	32	28	32	34	24	43	...	...	350	...	...	10·95	10·75
	Girgaum	34	33	35	35	32	22	15	28	32	39	28	35	...	...	368	...	...	11·95	12·72
	Chowpati	7	4	8	8	9	12	9	9	11	13	16	8	...	...	114	...	...	10·00	9·59
	Walkeshwar	5	2	6	7	11	8	12	13	7	6	9	6	...	...	92	...	...	8·64	7·38
	Mahalakshmi	24	20	22	18	20	17	18	21	19	13	15	25	...	...	232	...	...	8·82	9·08
E.	Mazagon	38	35	44	33	25	18	24	20	27	38	26	31	...	...	359	...	...	11·93	14·85
	Tarwadi	44	41	40	48	39	25	38	38	39	34	31	62	...	...	479	...	...	16 85	18·22
	2nd Nagpada	32	26	25	24	34	24	31	32	35	45	30	44	...	...	382	...	...	17·60	20·21
	Kamathipura	47	37	53	66	48	36	44	39	48	51	46	61	...	...	576	...	...	15·67	18·88
	Tardeo	28	32	34	40	22	28	29	25	40	25	22	39	...	...	364	...	...	13·11	13·40
	Byculla	104	93	114	95	89	74	84	89	83	94	98	99	...	...	1,116	...	...	14·81	14·38
	1st Nagpada	5	9	4	7	4	4	6	5	5	7	7	4	...	...	67	...	...	10·44	14·09
F.	Parel	32	41	41	27	35	37	40	39	53	30	38	40	...	...	453	...	...	9 96	10·13
	Sewri	14	14	16	17	13	7	13	12	10	16	14	15	...	...	161	...	...	8 44	9·69
	Sion	32	33	38	32	35	26	27	36	21	17	23	45	...	...	365	...	...	11·89	14·51
G.	Mahim	30	26	23	30	19	23	19	24	25	25	26	26	...	...	295	...	...	9·67	10·55
	Worli	68	63	61	77	34	47	53	64	53	59	52	63	...	...	697	...	...	7·77	10·75
	Harbour, Docks, Railways and Homeless	6	...	3	3	1	1	1	2	1	2	2	2	...	...	24	...	...	·53	·96
	Total	1,022	974	972	1,020	903	770	873	915	954	1,000	922	1,155	5,725	5,755	11,480	8·94	16·96	11·72	12·21

COMPARATIVE TABLE of Deaths from some of the PRINCIPAL CAUSES during 1911 and the preceding 5 years.

YEAR.	Cholera.		Small-pox.		Measles.		Plague.		Malaria.		Enteric Fever.		Other Fevers.		Diarrhœa and Dysentery.		Tubercle including Tubercle of Lungs.		Respiratory System.				Injuries.		All other Causes.		Total Deaths.	
																			Phthisis.		Other Diseases of the Respiratory System.							
	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.	No. of deaths.	Rate per 1,000.
1906 ...	1,241	1·26	276	·28	936	·95	10,823	11·06	190	·19	134	·13	4,558	4·66	4,778	5·09	485	·49	3,567	3·64	11,731	11·99	714	·73	13,441	13·54	52,674	54·07
1907 ...	439	·44	86	·08	107	·10	6,389	6·53	149	·15	116	·11	3,368	3·44	3,489	3·56	563	·57	2,877	2·94	9,022	9·22	813	·83	11,269	11·52	38,687	39·56
1908 ...	95	·09	1,026	1·04	653	·66	5,361	5·48	331	·33	111	·11	2,961	3·02	3,184	3·25	636	·65	2,387	2·44	8,954	9·15	808	·82	11,764	12·03	38,271	39·13
1909 ...	727	·74	473	·48	75	·07	5,197	5·31	293	·29	92	·09	2,415	2·45	2,585	2·64	447	·45	2,415	2·46	7,974	8·15	698	·71	11,487	11·74	34,878	35·40
1910 ...	107	·10	1,008	1·03	184	·18	3,656	3·73	293	·29	156	·15	2,664	2·72	3,352	3·42	557	·56	2,282	2·33	8,212	8·39	701	·71	11,761	12·02	34,933	35·72
Mean of the preceding 5 years.	522	·53	574	·58	391	·39	6,285	6·42	251	·25	122	·12	3,193	3·26	3,477	3·55	538	·55	2,706	2·76	9,178	9·38	747	·76	11,944	12·21	39,928	40·83
1911 ...	123	·12	443	·45	652	·66	4,006	4·09	334	·34	145	·14	2,667	2·72	3,075	3·13	616	·62	2,078	2·12	8,640	8·82	702	·71	11,480	11·72	34,961	35·69

20.

SPECIFIC CAUSES of DEATHS in 1911 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London.

	CAUSES OF DEATHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	GENERAL DISEASES.													
1	Small-pox	11	45	105	92	82	33	20	12	12	6	10	15	443
3	Chicken-pox	1	1	1	1	...	1	...	1	...	...	...	...	6
4	Measles	127	155	188	97	45	19	12	2	...	1	...	6	652
8	Plague	112	386	872	1296	800	197	112	65	60	33	30	43	4,006
9	Relapsing Fever	7	2	...	1	...	...	...	...	...	...	...	...	10
11	Influenza	...	1	2	1	...	...	...	...	...	1	3	1	9
12	Whooping Cough	...	...	...	1	...	1	1	...	...	...	...	2	5
13	Mumps	...	...	1	2	...	...	1	1	...	...	...	2	7
14	Diphtheria	...	...	...	...	1	...	...	...	...	1	1	...	3
	Diphteric Paralysis	...	...	...	...	1	...	...	...	...	...	...	...	1
15	Cerebro-Spinal Fever	...	...	...	...	...	...	...	1	1	3	...	...	5
17	Enteric Fever	11	4	14	10	21	7	13	19	16	9	10	11	145
17a	Malta Fever	...	...	...	1	...	...	...	...	...	...	...	...	1
	Black Water Fever	...	...	...	...	...	...	...	...	...	...	...	1	1
18	Cholera	51	3	3	...	1	3	3	9	13	9	3	20	123
20	Diarrhœa	166	170	166	192	160	126	221	211	147	153	144	222	2,078
21	Dysentery	132	85	89	72	75	46	92	98	87	58	70	93	997
23	Beri-Beri	...	...	1	...	2	...	1	...	...	...	...	...	4
24	Malarial Fever	34	25	21	13	11	14	21	28	35	41	45	45	333
	Ague and Remittent	209	236	237	243	217	178	178	199	175	249	248	288	2,657
25	Phagedæna	...	...	...	...	...	...	...	1	...	...	...	...	1
26	Erysipelas	...	1	3	1	...	3	2	2	2	1	1	1	17
27	Pyæmia	1	3	2	2	...	1	3	1	...	2	1	1	17
28	Septicæmia	2	7	4	4	8	2	7	6	9	6	5	2	62
	Blood Poisoning	...	...	...	1	...	...	...	...	...	...	...	...	1
	Puerperal Septicæmia	32	31	26	33	31	21	17	20	23	40	24	41	339
	Vaccination Fever	1	1	...	...	...	...	...	...	...	...	...	...	2
29	Tetanus	5	8	15	4	8	5	10	7	10	4	3	5	84
	Tabes Mesenterica	...	...	...	1	...	1	...	...	...	...	...	...	2
30	Tubercle of Lungs	5	9	9	13	10	7	9	11	10	12	15	16	126
	Other Tubercular Affections	9	9	8	10	7	15	8	17	14	22	30	36	185
	Tuberculosis	18	25	36	36	30	28	20	29	30	28	14	11	305
	Scrofula	10	12	11	5	9	4	4	8	1	3	2	6	75
31	Leprosy	10	9	7	12	9	5	7	5	9	3	5	7	88
33	Syphilis	14	6	4	6	2	6	3	5	7	3	8	5	69
	A. Primary	...	...	...	...	...	...	...	...	...	...	...	...	...
	B. Secondary	2	...	...	3	...	2	1	1	3	2	2	1	17
	C. Inherited	1	1	2	...	...	1	2	2	...	...	1	2	12
	Syphilitic Cachexia	...	...	...	...	1	...	...	...	...	3	...	...	4
34	Gonorrhœa	...	...	...	...	...	...	...	...	...	...	...	...	...
35	Hydrophobia	1	...	...	1	1	1	...	...	...	1	...	2	7
40	Worms	2	2	2	1	8	2	5	1	1	...	...	6	30
54	Scurvy	...	1	...	...	...	...	...	...	...	1	...	...	2
55	Alcoholism	1	...	...	...	...	1	...	1	2	...	...	1	6
58	Rheumatic Fever	2	4	2	2	2	3	...	...	...	...	1	2	18
59	Rheumatism	7	4	7	6	9	5	6	4	3	7	2	1	61
60	Gout	1	...	...	...	...	...	...	...	...	...	...	...	1
61	Osteo-Arthritis	...	...	...	...	...	1	...	...	...	...	...	...	1
62	Cyst	...	...	1	...	...	...	...	...	...	...	...	...	1
	Cystic Hygroma Neck	...	...	1	...	...	...	...	...	...	...	...	...	1
63	New Growth, Non-Malignant	...	...	...	...	...	...	2	1	3	...	1	...	7
64	New Growth, Malignant	...	...	...	...	1	1	...	...	...	...	...	1	3
	Sarcoma	1	...	1	...	1	...	...	1	...	1	...	...	5
65	Rickets	90	87	110	121	72	56	75	50	68	61	56	80	926
68	Anæmia	58	52	59	66	64	50	48	40	73	68	73	69	720
69	Chlorosis	1	2	...	...	1	...	...	...	...	2	...	...	6
70	Pernicious Anæmia	12	14	12	8	11	5	3	5	12	13	12	10	117
71	Purpura	...	...	...	...	...	...	...	...	1	1	...	...	2
72	Leuchæmia	...	1	...	...	...	...	...	...	1	...	...	...	2
73	Hodgkin's disease	...	...	...	...	...	1	...	...	...	...	...	...	1
75	Diabetes	5	...	1	2	4	3	5	9	4	3	2	1	39
77	Premature Birth	8	11	12	17	11	10	11	21	20	23	18	13	175
79	Debility	204	171	179	80	173	181	189	226	232	245	230	268	2,478
80	Old Age	189	185	169	161	145	101	102	128	133	154	153	183	1,803
	DISEASES OF THE NERVES.													
81	Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...
	A. Neuritis	...	...	...	...	...	...	...	...	...	...	1	...	1
	B. Multiple Neuritis	...	...	1	...	...	...	...	...	...	...	...	...	1
	Perispheral Neuritis	...	...	...	...	...	1	...	...	1	1	...	...	3

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SPECIFIC CAUSES of DEATHS in 1911 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*continued.*

	CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	DISEASES OF THE SPINAL CORD AND ITS MEMBRANES. MEMBRANES.													
83	Inflammation	...	...	...	...	...	...	...	...	1	...	...	...	1
85	Myelitis	1	...	...	...	...	...	3	...	...	...	2	...	6
87	Locomotor Ataxy	...	...	...	...	...	1	...	...	...	...	...	...	1
	Arterial Sclerosis	...	...	...	...	...	...	1	...	...	...	...	...	1
	DISEASES OF THE BRAIN AND ITS MEMBRANES. MEMBRANES.													
89	Meningitis	5	2	10	7	3	6	7	1	5	8	1	2	57
90	Hæmorrhage	5	4	3	4	4	7	5	6	5	1	4	4	53
	Cerebral Embolus	...	...	...	...	...	...	...	...	...	...	...	1	1
	BRAIN.													
92	Inflammation	...	...	...	...	...	...	...	...	...	1	...	...	1
95	Softening	...	...	...	...	...	1	...	...	...	...	...	...	1
97	Congestion	1	...	1	...	...	...	1	2	1	...	...	1	7
	Brain affection	...	...	...	2	...	...	...	...	...	...	...	...	2
	Lesion in the Brain	...	...	...	...	1	...	...	...	...	...	...	...	1
101	Hydrocephalic condition	...	...	...	...	...	1	...	...	...	...	...	...	1
	Hydrocephalus	...	...	...	...	...	...	...	...	...	...	2	...	2
102	Apoplexy	3	1	1	2	2	3	3	4	...	2	2	5	28
103	Paralysis	5	6	6	6	5	7	6	7	2	11	2	10	73
	a—Paraplegia	...	4	4	1	1	...	3	1	3	2	2	...	21
	b—Hemiplegia	7	11	10	11	8	6	7	17	11	9	5	12	114
117	Eclampsia	...	...	...	...	...	...	...	...	...	...	...	...	...
	Infantile	143	149	144	132	144	98	127	111	118	135	125	149	1,575
	Puerperal	1	3	...	2	1	...	2	2	1	2	3	2	19
	Uræmic	...	...	...	...	...	...	...	...	...	...	...	...	...
118	Epilepsy	...	3	4	...	3	...	4	2	3	1	...	5	25
127	Hysteria	...	2	1	...	1	...	1	1	...	1	...	1	8
137	Mania	...	...	...	...	...	...	...	...	1	...	...	...	1
	Puerperal	...	...	...	...	...	...	...	...	...	2	...	1	3
139	Dementia—	...	...	...	...	...	1	...	1	...	...	...	...	2
	Eye Disease	...	...	...	1	...	...	...	...	...	...	...	...	1
	Mastoid Abscess	...	...	...	...	1	...	1	1	...	...	...	...	3
	Otitis media	...	...	...	...	...	1	...	...	...	...	...	...	1
248	Epistaxis	...	...	...	...	...	...	...	...	1	...	...	...	1
	DISEASES OF THE HEART AND ITS MEMBRANES. DISEASES OF THE MEMBRANES.													
253	Pericarditis	...	...	...	2	...	...	...	...	...	...	...	...	2
	Purulent Pericarditis	...	1	...	...	...	...	...	...	...	...	...	...	1
	Fatty heart	1	...	...	...	...	...	...	...	...	...	...	...	1
	Cardiac Debility	1	...	...	...	...	...	...	...	...	...	...	...	1
	,, Dropsy	...	...	...	1	...	...	...	1	...	...	...	...	2
	Cardiac Asthma	...	...	...	...	...	...	...	...	...	1	...	...	1
258	Endocarditis	1	1	...	1	1	...	...	...	...	...	...	...	4
259	Valv disease	16	14	16	13	16	9	16	26	19	18	24	17	203
	Aortic	...	...	...	...	...	2	1	...	1	1	...	...	5
	Mitral	...	2	1	1	1	...	...	...	1	1	3	...	10
	Heart failure	3	1	4	6	6	5	5	3	7	3	4	2	49
	DISEASES OF THE MUSCULAR SUBSTANCE.													
260	Myocarditis	...	...	...	...	...	...	...	...	...	...	...	1	1
266	Aneurism of the heart	...	...	...	...	...	2	...	...	...	...	...	...	2
269	Clots in heart	...	...	...	...	...	...	...	...	...	...	...	...	...
	a—Thrombosis	...	1	...	...	...	...	...	...	...	...	1	...	2
	b—Embolism	1	...	...	1	...	1	...	...	...	...	...	1	4

20—*continued.*

SPECIFIC CAUSES of DEATHS in 1911 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*continued.*

	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	DISEASES OF THE MUSCULAR SUBSTANCE.—*contd.*													
	Aneurism of descending Aortic and Ruptured Hæmorrhage	...	...	1	...	...	...	...	...	...	...	...	...	1
271	Angina Pectoris	2	...	2	3	2	1	...	3	2	...	1	4	20
272	Syncope	1	1	...	1	...	...	1	...	1	1	4	5	15
	DISEASES OF THE BLOOD VESSELS.													
275	Athermatous Arteries	...	...	...	...	...	...	...	...	...	...	1	...	1
276	Degeneration	...	...	...	1	...	...	...	...	...	...	...	...	1
	A Primary fatty	...	...	...	...	1	...	...	...	...	...	...	...	1
277	Dilatation	...	...	...	1	...	1	2	...	...	2	...	...	6
	Aneurism	2	2	...	...	...	...	3	1	1	...	...	...	9
	Rupture of Blood Vessel	...	...	1	...	...	...	...	...	...	...	...	...	1
288	Obstruction	1	...	...	...	...	...	1	...	...	...	...	...	2
	Mitral Stenosis	...	...	...	...	...	...	...	...	...	...	...	1	1
290	Thrombosis	...	...	...	...	...	1	...	1	...	...	...	1	3
291	Rupture	1	...	...	...	...	...	...	1	...	...	...	...	2
	DISEASES OF THE RESPIRATORY SYSTEM NOT STRICTLY LOCAL.													
300	Croup	...	...	1	...	...	...	...	...	...	...	...	...	1
302	Laryngitis	...	...	...	...	...	...	...	1	...	...	3	...	3
	DISEASES OF THE TRACHEA AND BRONCHI.													
315	Bronchitis	151	153	136	133	111	94	138	130	102	92	93	147	1,429
	a—Catarrhal	1	...	...	...	...	...	...	...	1	...	...	...	2
	1—Acute	24	27	31	28	22	25	26	24	12	20	20	22	281
	2—Chronic	130	129	132	96	90	68	69	109	93	132	119	125	1,283
	Capillary	61	88	91	71	59	27	51	57	55	51	42	70	723
	Bronchitis Fœtid	...	...	...	...	1	...	...	...	...	...	...	...	1
322	Spasmodic Asthma	132	126	110	87	89	54	78	65	87	93	102	118	1,141
	DISEASES OF THE LUNG.													
323	Congestion	...	...	...	...	...	...	1	...	...	...	...	...	1
	Dyspnœa	...	...	...	...	...	...	...	...	...	...	...	1	1
	Cough	...	...	...	2	1	1	1	...	...	1	...	...	6
325	Œdema	2	1	...	...	...	...	...	1	...	...	...	...	4
	Hæmoptysis	...	...	...	...	...	1	1	1	...	...	...	...	3
326	Pneumonia	205	247	245	185	186	118	129	116	117	146	145	177	2,016
	„ Pleuro	3	3	...	1	...	1	...	...	...	...	...	1	9
	a—Catarrhal	1	...	...	...	...	...	...	...	...	...	...	...	1
	b—Croupous (Lobar)	13	12	12	7	2	6	3	5	4	3	8	6	81
	Pneumonia, double	4	2	12	4	2	...	4	3	1	5	6	4	47
327	Broncho-Pneumonia	150	162	206	166	115	92	95	103	100	96	100	134	1,519
	Difficult breathing	...	...	...	...	...	1	...	...	...	...	...	...	1
334	Phthisis	195	215	181	179	183	134	165	150	189	165	161	161	2,078
336	Atelectasis	1	1	1	5	2	1	3	1	...	...	1	2	18
	DISEASES OF THE PLEURA.													
339	Pleurisy	5	4	6	2	2	1	3	2	...	3	1	1	30
	„ with effusion	...	...	...	1	...	...	...	1	...	1	...	...	3
340	Empyæmia	4	3	3	4	4	...	...	5	...	4	2	3	32
341	Hæmorrhage	...	...	1	...	...	...	...	...	...	...	...	...	1
343	Pneumothorax	...	...	...	...	...	...	1	...	...	1	1	...	3
	DISEASES OF THE MOUTH.													
348	Stomatitis	...	...	...	...	...	1	...	...	...	1	...	1	3
350	Gangrene	...	2	1	3	...	...	1	...	...	...	1	...	8
	Aphthæ	...	...	...	...	...	...	1	2	...	2	1	...	6
	DISEASES OF THE TEETH ALVEOLI AND GUMS.													
358	Disorders of the Dentition	16	17	10	24	9	16	26	22	10	15	12	37	214
	DISEASES OF THE PALATE AND FAUCES.													
367	Tonsillitis	...	...	...	...	...	...	...	...	1	...	...	1	2
	DISEASES OF THE PHARYNX AND ŒSOPHAGUS.													
306	Post Pharyngeal Abscess	1	...	...	...	...	...	...	...	...	...	...	...	1

20—*continued.*

SPECIFIC CAUSES of DEATHS in 1911 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*continued.*

	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
	DISEASES OF THE STOMACH.													
402	Gastritis	1	1	2	...	2	3	...	2	1	1	2	2	17
403	Ulceration	...	...	...	...	...	...	...	...	...	...	...	1	1
	Gastric Ulcer	1	...	...	...	...	1	...	...	...	...	...	...	2
	Hæmorrhage	...	1	1	...	...	...	...	...	1	...	...	1	4
407	Hæmatemesis	...	...	...	...	...	...	...	1	...	...	...	...	1
	Portal Obstruction	...	...	1	...	...	...	...	...	...	...	...	1	2
419	Indigestion	...	...	2	3	...	2	2	...	1	1	...	2	13
	Cholemia	...	...	...	...	1	...	...	...	...	...	...	...	1
426	Vomitting	2	1	4	1	1	...	...	...	...	...	...	...	9
	DISEASES OF THE INTESTINES.													
433	Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...
	a—Entiritis	4	5	4	4	7	9	8	8	9	7	5	12	82
	c—Collitis	1	...	...	...	1	...	...	1	...	...	...	2	5
	Gastro-Enteritis	4	1	1	7	5	4	9	2	2	4	5	5	52
	Muco Enteritis	...	...	...	...	...	...	...	1	1	1	1	2	6
434	Ulceration	...	1	...	...	...	...	1	...	...	...	...	...	2
443	Tympanitis	...	...	...	...	...	...	...	...	...	1	...	...	1
444	Sprue	3	4	1	2	1	6	5	7	2	3	4	3	41
	Intestinal disorders	...	...	...	...	1	...	...	...	...	...	...	...	1
	Appendicitis	1	...	...	...	...	1	2	1	3	1	...	2	11
	Suppurative Appendix	...	...	...	...	...	4	...	...	...	...	...	...	4
445	Hernia	...	1	...	1	...	...	...	...	...	...	...	3	5
	Strangulated	1	...	1	...	1	1	1	...	3	2	4	3	17
	„ Inguinal	...	2	...	...	...	...	...	...	...	...	...	...	2
447	Intussusception	...	...	1	...	2	...	1	...	...	...	1	1	6
448	Volvulus	...	1	...	...	...	...	...	...	...	...	...	1	2
453	Obstruction	2	4	2	2	1	4	2	4	2	2	2	5	32
455	Perforation	...	...	...	...	...	...	...	...	1	...	...	...	1
461	Colic	1	...	...	1	...	1	1	1	...	...	...	...	5
	Looseness of bowels	...	...	...	...	...	...	...	...	...	...	1	...	1
	Fistula	...	1	...	...	...	...	...	...	1	...	...	1	3
465	Abscess	...	...	1	...	...	1	...	...	...	...	...	...	2
466	Ulceration	...	...	...	...	...	...	...	...	...	...	...	1	1
468	Fistula in Ano	...	2	...	...	1	...	...	...	1	...	...	1	5
472	Gangrene	...	...	...	1	...	...	...	...	...	...	...	...	1
477	Piles	3	2	3	2	3	1	...	3	...	1	...	...	18
	a—Internal	...	...	...	...	...	1	...	...	...	...	...	...	1
479	Hepatitis	37	23	28	19	13	23	33	26	15	14	13	32	276
	„ Abscess	...	6	3	14	4	3	10	2	3	2	5	2	54
	„ „ Tropical	...	...	...	...	...	2	...	...	...	...	...	...	2
	b—Chronic Hepatic Cirrhosis.	8	9	2	6	6	10	4	11	18	...	6	12	92
	Enlargement	2	1	1	2	2	1	...	3	2	1	...	...	15
	Hypertrophic Cirrhosis of the liver.	...	...	...	1	...	...	...	...	...	2	...	...	3
481	Hyperaemia	...	...	...	...	1	...	1	1	...	1	1	...	4
	Albuminoid Liver	...	...	...	...	...	...	...	...	...	1	...	...	1
	Toxæmia	...	...	...	...	...	1	...	1	...	...	...	...	2
484	Atrophy	...	...	1	...	...	...	...	...	...	...	...	...	1
	Chronic disease of the Liver	...	...	1	...	...	...	...	...	...	...	...	...	1
486	Jaundice	3	2	3	2	3	3	7	1	...	3	3	5	35
	Anyloid liver	...	...	...	...	...	...	1	...	...	...	...	...	1
502	Peritonitis	3	1	1	2	6	3	3	...	6	...	2	3	30
	Addhesive peritoneum	...	...	...	...	...	...	...	...	1	...	...	...	1
503	Dropsy	12	10	10	12	8	4	4	7	5	11	8	5	96
	DISEASES OF THE SPLEEN.													
	Splenitis	...	...	...	...	...	...	...	1	...	...	...	...	1
	Enlargement of the Spleen	1	...	...	...	1	...	1	1	...	...	1	...	5
	DISEASES OF THE LYMPHATIC VESSELS AND GLANDS.													
518	Lymphangitis	...	...	1	1	...	...	1	...	...	...	...	...	3
522	Elephantiasis	2	...	...	...	...	1	1	1	...	...	...	...	5
	DISEASES OF THE THYROID BODY.													
532	Goitre	...	...	...	1	...	...	...	...	...	...	...	...	1
	DISEASES OF THE SUPRA RENAL CAPSULES.													
537	Addison's disease	...	...	...	...	...	...	1	...	...	...	...	...	1

20—*continued.*

SPECIFIC CAUSES of DEATHS in 1911 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*continued.*

	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	DISEASES OF THE KIDNEY AND *DUCTS.*													
538	Acute Nephritis	4	3	1	1	...	1	...	2	...	3	...	...	15
	Inflammed Kidney	...	...	...	...	...	...	...	...	1	...	...	...	1
	Uræmia	...	1	1	1	1	...	...	2	1	...	...	3	10
539	Bright's Disease	20	10	18	24	20	12	11	17	14	17	18	20	201
	1—Chronic Nephritis	...	8	3	...	1	2	7	1	10	3	2	6	43
	2—Granular Kidney	...	...	...	...	...	...	...	...	...	1	...	2	3
540	Abscess	...	...	...	1	...	...	...	...	...	...	...	...	1
	Pyo-nephrosis	...	1	...	...	...	...	...	...	...	...	1	...	2
541	Pyelitis	1	...	...	1	...	...	...	...	...	...	...	...	2
547	Calculus	...	...	...	...	...	...	...	..	1	...	...	...	1
	URINARY DISORDERS.													
	Suppression of Urine	...	1	1	1	...	1	...	1	...	...	...	...	5
	Hæmagloburia	...	...	...	...	...	...	...	1	...	...	...	...	1
	Albuminuria	...	1	...	...	...	...	1	...	1	...	...	...	3
	DISEASES OF THE BLADDER.													
	Cystitis	...	1	1	1	...	...	...	2	...	1	...	...	6
	Purulent Choleo-Cystitis	...	...	...	...	...	1	...	...	...	...	...	...	1
	Rupture	...	...	...	...	2	...	...	...	...	...	...	...	2
	Incontinuance of Urine	...	1	...	...	...	...	...	...	...	1	...	...	2
	Papilloma Bladder	...	...	...	...	...	...	...	1	...	..	...	...	1
	DISEASES OF THE MALE ORGANS OF GENERATION.													
	Stricture	...	...	...	1	...	...	...	...	...	...	1	...	2
	DISEASES OF THE PENIS.													
	Gangrene	...	...	...	...	...	...	...	1	...	...	1	...	2
	Soft Chancre	...	...	...	1	...	...	...	...	...	...	...	...	1
	DISEASES OF THE SCROTUM.													
	Abscess	...	...	...	...	...	...	...	1	...	...	...	...	1
	Sloughing	1	...	...	...	...	...	1	...	...	1	...	...	3
	DISEASES OF THE TUNICA VAGINALIS.													
622	Hæmatocele	...	...	...	...	...	...	...	...	...	...	...	1	1
623	Hydrocele	...	...	...	...	...	...	...	...	...	...	1	...	1
	DISEASES OF THE TESTICLE.													
625	Inflammation 1—Orchitis	...	...	1	...	...	...	...	...	...	...	...	1	2
	DISEASES OF THE FEMALE ORGANS OF GENERATION.													
	Ovariotomy	...	...	...	...	...	...	...	...	1	...	...	...	1
	DISEASES OF THE UTERINE LIGAMENTS AND OF THE ADJACENT PERITONEUM AND CELLULAR TISSUE.													
648	Hæmatocele	...	...	...	1	...	...	...	...	...		...	...	1
642	Inflammation *a*—Pelvic Peritonitis	...	...	...	...	...	...	...	1	...	...	...	...	1
650	Abscess *a*—Perimetritis	...	...	...	1	...	...	...	...	...	...	...	...	1

20—*continued.*

SPECIFIC CAUSES of DEATHS in 1911 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*continued.*

	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	DISEASES OF THE ALTERUS INCLUDING THE CERVIX.													
651	Metritis													
	a—endometritis	...	...	...	...	...	1	...	...	1	...	...	1	3
686	Uterine Hæmorrhage	...	...	...	...	...	...	...	1	...	...	...	...	1
687	Leucorrhœa	...	...	...	...	...	...	...	...	1	1	...	...	2
	AFFECTIONS CONNECTED WITH PREGNANCY.													
700	Abortion	...	1	1	...	1	1	2	1	2	3	2	2	16
	Pregnancy	...	...	...	...	...	...	1	2	...	1	2	1	7
	Threatened abortion	...	...	...	...	...	...	...	...	...	1	...	...	
	AFFECTIONS CONNECTED WITH PARTURITION.													
706	Atony of the uterus	...	...	...	...	...	...	...	...	...	1	...	...	
	Difficult instrumental labour ...	...	...	...	...	...	...	...	1	...	...	...	...	
707	Over-distension of the uterus ...	...	...	...	...	1	...	...	...	...	...	...	...	
	Exhaustion during delivery ...	...	...	...	...	1	...	...	...	...	...	...	...	
709	Hæmorrhage	...	...	...	...	...	1	...	...	...	...	...	...	
	a—Unavoidable from Placenta Prævia	...	...	...	2	1	...	...	...	...	1	...	...	
	Difficult labour...	3	3	...	1	...	...	...	3	...	...	3	3	
712	Still-birth	129	131	122	123	120	107	140	155	197	182	182	171	
	AFFECTIONS CONSEQUENT ON PARTURITION.													
714	Post-Partem Hæmorrhage... ...	4	5	2	2	2	...	1	2	4	8	4	6	
718	Sudden death after delivery ...	1	2	1	4	2	2	3	1	2	2	...	7	
	DISEASES OF THE FEMALE BREAST.													
720	Abscess	...	...	...	...	...	...	...	...	...	1	...	...	1
	DISEASES OF THE BONES (EXCLUSIVE OF THE SPINE).													
735	Caries	3	...	...	...	...	2	1	...	2	4	2	1	15
736	Necrosis	...	...	...	1	...	...	...	...	...	2	...	...	3
	Acute infective Osteo Periostitis left tibia	...	1	...	...	...	...	...	...	...	...	...	...	1
	Sinus	...	...	...	1	1	...	...	...	1	...	...	1	4
	Suppurative Ostitis	...	...	...	1	...	...	...	...	...	...	...	...	1
	DISEASES OF THE JOINTS (EXCLUSIVE OF THE SPINE).													
	ARTHRITIS.													
	a—Synovitis	...	...	...	...	1	...	...	...	...	...	...	...	1
	Suppuration right elbow	...	...	...	...	1	...	...	...	...	...	...	...	1
	Suppurating right knee joint ...	...	...	...	...	...	...	...	...	...	1	...	...	1

20—*concluded.*

SPECIFIC CAUSES of DEATHS in 1911 arranged according to the Nomenclature of Diseases drawn up by the Committee of the Royal College of Physicians of London—*concluded.*

	CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	DISEASES OF THE SPINE.													
760	Caries	...	...	...	...	...	...	...	...	...	1	...	2	3
762	Psoas lumber post-pharyngeal and other abscess	...	...	...	...	...	1	...	...	...	...	...	...	1
766	Posterior Curvature	...	...	...	...	...	...	...	...	1	...	...	...	1
	Ankylotomiasis	1	...	...	...	...	...	...	...	...	...	1	...	2
	DISEASES OF THE CONNECTIVE TISSUE.													
798	Cellulitis	1	2	...	1	1	...	...	1	1	1	...	...	8
	Septic diffused cellulitis	...	...	...	...	1	...	...	...	...	1	...	...	2
799	Abscess	1	...	...	1	...	...	3	1	3	...	2	1	12
	Abscess suppurative and sinuses	...	...	...	...	1	...	...	...	...	...	...	...	1
800	Gangrene	3	4	...	4	3	...	3	2	2	2	2	3	28
802	Œdema	1	1	...	...	1	2	2	1	...	...	...	...	8
820	Pemphigus	...	...	...	...	...	1	...	...	...	...	...	...	1
843	Ulcer	...	...	1	...	...	...	...	2	1	1	...	...	5
846	Carbuncle	2	2	...	1	...	1	2	2	...	1	...	...	11
848	Whitlow	...	...	...	...	...	...	...	...	...	...	...	1	1
	Drowning	7	4	4	7	11	10	9	8	9	12	7	9	97
	Burns and Scalds	9	9	8	6	3	2	5	1	2	1	4	15	65
	Privation and Starvation	22	12	16	10	5	2	9	10	15	19	18	16	154
	Vehicles, Horses and Bullocks	4	3	2	1	3	1	1	2	3	3	4	6	33
	Ships, Boats and Docks excluding drowning	1	...	2	...	...	1	...	...	3	1	4	2	14
	Building Operations	1	...	...	...	1	1	...	...	1	...	...	1	5
	Fall from houses, trees, stairs, &c.	3	10	6	...	3	5	5	4	2	3	3	5	49
	Sunstroke	...	...	1	...	4	...	...	...	...	1	...	...	6
	Exposure to cold	1	...	...	...	...	1	1	...	...	...	...	...	3
	Machinery	...	1	2	4	4	1	3	5	2	3	6	5	36
	Shock	...	2	...	...	...	2	2	...	...	...	...	4	10
	Suffocation and Strangulation	...	1	3	...	...	...	1	6	...	1	1	2	15
	Otherwise or not stated	7	1	5	2	5	2	5	3	4	7	13	14	68
	Incised—penetrating stab and multiple wounds	...	1	...	...	...	...	1	...	...	3	1	...	6
	Suicides other than drowning and poisoning	...	1	1	2	6	2	1	1	3	1	2	3	23
	Fall of earth, rocks, stones, houses, bales, trees, &c., on body	1	3	2	3	5	1	1	...	1	...	4	3	24
	Gunshot wounds	22	...	...	1	...	...	...	...	...	...	...	...	23
	Poisons, poisonous vapours and animals	6	6	7	2	6	6	7	5	3	5	4	6	63
	Heat Apoplexy	...	...	...	...	1	1	...	...	...	...	1	...	3
	Explosions	...	1	...	...	...	...	...	...	1	...	2	1	5
	Unspecified Causes	...	3	3	7	3	1	1	1	2	3	3	6	32

TABLE of VACCINE OPERATIONS performed in the City of Bombay in 1911.

Ward.	SECTION.	Population (Census of 1911).	Number of Depôts in each District.	Number of Vaccinators in each District.	Number of persons vaccinated.			Average number of persons vaccinated by each Vaccinator.	Primary Vaccinations.								Re-vaccinations.			Percentage of successful cases where results were known.		Persons successfully vaccinated per 1,000 of population.	Average annual number of persons successfully vaccinated during the past 5 years.		Average annual number of deaths from Small-pox during the past 5 years.		Average cost of each successful Vaccination.
									Total.			Successful.																
					Males.	Females.	Total.		Males.	Females.	Total.	Under one year.	One year and under 6 years.	6 years and above.	Total.	Unknown.	Total.	Successful.	Unknown.	Primary Vaccinations.	Re-vaccinations.		Number.	Ratio per 1,000 population.	Number.	Ratio per 1,000 population.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
																											Rs. a. p.
A.	Upper Colaba	1,557	1	1	262	239	501	7,182	201	212	413	283	65	...	348	44	88	7	75	94·31	53·84	16·72	333	15·68	...	...	
	Middle and Lower Colaba.	19,679																							4	·26	
	Fort, South	3,462	1		404	292	696		258	255	513	380	102	10	492	17	183	9	167	99·19	56·25	17·36	492	17·05	1	·25	
	Fort, North	25,400		1																					13	·45	
	Esplanade	17,761	...		3,465	1,090	4,555		131	112	243	136	37	1	174	66	4,812	7	4,269	98·31	16·28	10·19	144	8·11	7	·68	
B.	Mandvi	33,202	1		313	267	586		225	254	479	320	109	...	429	30	107	...	105	95·55	.....	12·92	406	12·23	15	·39	
	Chukla	24,231			311	291	602		278	283	561	394	126	...	520	25	41	...	41	97·01	.....	21·46	510	21·05	8	·27	
	Umerkhadi	45,679	1		658	502	1,160		491	470	961	707	191	3	901	39	199	...	190	97·72	.....	19·72	844	18·47	30	·55	
	Dongri	27,246	1	1	4,738	719	5,457		351	406	757	622	85	1	708	30	4,700	33	34	97·39	0·71	27·20	802	29·44	18	·39	
C.	Market	30,172			328	243	571		217	229	446	286	111	...	397	40	125	1	123	97·78	50·00	13·19	379	12·56	14	·39	
	Dhobi Talao	38,684	1	1	379	610	1,489		369	463	832	582	151	22	755	54	657	4	636	97·04	19·05	19·62	729	18·85	35	·95	
	Fanaswadi	27,403			427	276	703		279	248	527	376	109	7	492	21	176	2	163	97·23	15·38	18·03	446	16·28	17	·58	
	Bhuleshwar	36,459			472	308	780		277	270	547	356	147	...	503	28	233	3	228	96·92	60·00	13·88	459	12·59	16	·41	
	Khara Talao	22,979	1	1	6,485	1,712	8,197		202	210	412	298	62	1	361	44	7,785	...	7,782	98·10	.....	15·71	407	17·71	14	·51	
	Kumbharwada	27,703			384	357	741		346	348	694	563	101	1	665	20	47	3	33	98·66	21·43	24·11	555	20·03	28	·70	
D.	Khetwadi	31,937			507	388	895		330	360	690	551	97	2	650	23	205	10	176	97·45	34·48	20·67	584	18·29	14	·41	
	Girgaum	30,779	1	...	494	420	914		396	387	783	544	193	7	744	21	131	2	121	97·64	20·00	24·24	629	20·44	22	·77	
	Chaupati	11,397			215	164	379		125	132	257	183	52	3	238	10	122	2	116	96·36	33·33	21·06	228	20·01	2	·15	
	Walkeshwar	10,640	1	...	311	105	416		88	98	186	147	32	2	181	4	230	3	227	99·45	100·00	17·29	171	16·07	...	...	
	Mahalakshmi	26,302			379	334	713		304	307	611	487	103	2	592	9	102	5	88	98·44	35·71	22·70	487	18·52	9	·36	
E.	Mazagaon	30,075	1	...	495	452	947		321	366	687	514	133	8	655	20	260	2	253	98·20	28·57	21·85	644	21·41	21	·68	
	Tarwadi	28,424	...		292	285	577		270	267	537	427	73	4	504	25	40	1	39	98·44	100·00	17·76	464	16·32	19	·72	
	2nd Nagpada	21,700																							12	·54	
	Kamatipura	36,751	1	1	3,207	1,387	4,594		751	815	1,566	1,192	216	4	1,412	121	3,028	7	3,005	97·72	30·43	16·46	1,398	16·22	31	·84	
	Tardeo	27,758																							15	·53	
	Byculla	75,848	1																						65	·85	
	1st Nagpada	6,414			1,076	761	1,837		616	685	1,301	1,008	178	3	1,189	75	536	20	259	96·98	7·22	14·79	1,160	14·19	4	1·19	
F.	Parel	45,474	1		520	496	1,016		487	474	961	769	161	1	931	23	55	7	45	99·25	70·00	20·63	849	18·67	37	·78	
	Sewri	19,067			163	216	379		160	214	374	290	68	...	358	16	5	...	4	100·00	.....	18·78	316	16·57	9	·56	
	Sion	30,780	1	1	383	414	797		363	403	766	607	134	1	742	16	31	3	24	98·93	42·86	24·28	616	20·08	18	·58	
G.	Mahim	30,492	1		690	642	1,332		649	632	1,281	1,017	220	10	1,247	23	51	1	48	99·13	33·33	40·93	1,122	36·80	9	·28	
	Worli	39,611			786	821	1,607		289	778	1,517	1,258	209	4	1,466	32	90	2	87	98·72	66·66	16·38	1,175	13·11	57	·82	
	Harbour, Docks, Railways and Homeless	44,979	...	...	432	217	649		256	211	467	131	72	...	203	257	132	3	172	96·66	80·00	4·58	220	4·95	20	·62	
	Total ...	9,79,445	14	6	29,062	14,008	43,090	7,182	9,480	9,889	19,369	[illegible]		97	17,857	1,133	23,721	137	18,510	97·92	2·63	18·57	16,569	16·92	574	·58	1 8 3

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TABLE of Births registered and of Vaccinations of Infants under one year of age performed in the year 1911.

Ward.	SECTIONS.	Total number of births exclusive of still-born.	Still-born.	Deaths under one year.	Number of Infants surviving.	Number of Infants vaccinated under one year.	Percentage of vaccination to births registered
	Upper Colaba	79	5	18	61	320	82·05
	Middle and Lower Colaba	290	20	98	192		
	Fort, South	21	2	6	15		
	Fort, North	506	52	195	311	389	76·87
	Esplanade	199	14	95	104	155	77·88
	Mandvi	460	49	263	197	354	76·95
	Chukla	560	59	280	280	409	73·03
	Umarkhadi	1,237	101	503	734	746	60·30
	Dongri	636	47	313	323	659	103·61
	Market	392	25	200	192	319	81·37
	Dhobi Talao	843	99	260	583	613	72·71
	Fanaswadi	487	39	186	301	401	82·34
	Bhuleshwar	633	62	288	345	380	60·02
	Khara Talao	495	52	232	263	320	64·64
	Kumbharwada	591	51	277	314	587	99·32
	Khetwadi	761	43	228	533	579	76·08
	Girgaum	674	47	252	423	569	84·42
	Chowpati	212	15	68	144	197	92·92
	Walkeshwar	228	15	44	184	150	65·78
	Mahalakshmi	545	46	188	357	501	91·92
	Mazagaon	747	69	278	469	536	71·75
	Tarwadi	819	62	398	421	450	54·94
	2nd Nagpada	549	42	221	328	1,387	62·74
	Kamathipura	835	89	350	485		
	Tardeo	667	59	304	363		
	Byculla	2,645	177	768	1,877	1,085	39·24
	1st Nagpada	120	9	37	83		
	Parel	1,101	88	394	707	787	71·48
	Sewri	424	31	157	267	304	71·68
	Sion	830	61	273	557	624	75·18
	Mahim	905	73	247	658	1,044	115·35
	Worli	1,885	156	699	1,186	1,295	68·70
	Harbour, Docks, Railways and Homeless	...	...	...	...	278	...
	Total	21,376	1,759	8,120	13,256	15,338	71·75

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TABLE of Primary Vaccinations performed with different kinds of Lymph in 1911.

	Number of operations.	Successful.	Unknown.	Percentage of success after deducting the unknown cases.
Calf Lymph	5,651	5,343	263	99·16
Glycerinated Lymph	13,770	12,514	870	97·01
Lanolinated Lymph	.....	.....	.....	.....
Human Lymph	.....	.....	.....	.....
Total	19,421	17,857	1,133	97·64

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TABLE of prosecutions instituted by the Vaccination Department in 1911.

1	2	3	4	5	6	7
Section of the Act.	Nature of Charge.	Number of Cases instituted.	Number of Cases discharged.	Otherwise.	Number of Cases convicted.	Amount of Fines inflicted
Section VII of the Bombay Vaccination Act I of 1877.	Neglect of Vaccination	11	*Nil*	*Nil*	11	Rs. 3

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TABLE of DEATHS by Disease

Ward.	SECTION.	GENERAL DISEASES.																		
						FEVERS.														
		Small-pox.	Measles.	Plague.	Scarlet Fever.	Enteric Fever.	Malarial Fever.	Ague and Remittent Fever.	Relapsing Fever.	Influenza.	Whooping Cough.	Diphtheria.	Cholera.	Diarrhœa.	Dysentery.	Puerperal Septicæmia.	Leprosy.	Cancer.	Premature Birth.
	Upper Colaba	...	...	10	...	1	2	5	...	1	...	...	...	3	3	...	...	...	5
	Middle and Lower Colaba ...	6	...	103	...	8	9	36	...	...	...	...	1	37	19	3	...	3	4
	Fort, South	...	...	14	...	3	2	1	...	...	...	...	...	1	2	...	...	1	...
	Fort, North	4	14	129	...	12	28	118	...	1	...	...	4	58	22	6	...	5	18
	Esplanade	3	...	29	...	6	40	159	4	...	...	...	11	46	16	3	...	...	7
	Mandvi	5	15	133	...	2	16	143	...	...	1	...	3	22	14	26	...	1	2
	Chukla	5	22	86	...	2	13	54	...	...	1	...	1	30	17	24	...	...	
	Umarkhadi	17	38	238	...	8	32	80	1	...	...	...	12	137	55	17	1	2	
	Dongri	11	28	125	...	2	51	65	4	...	...	...	5	76	53	10	...	2	
	Market	10	13	118	...	4	12	60	...	...	...	...	1	36	16	8	...	2	
	Dhobi Talao	39	36	199	...	16	14	87	...	...	...	1	8	77	29	10	3	4	
	Fanaswadi	21	27	140	...	4	6	72	...	...	...	...	5	36	16	8	1	3	
	Bhuleshwar	5	41	147	...	3	6	80	...	...	...	...	3	91	21	17	3	4	
	Khara Talao	5	20	130	...	1	9	56	...	...	...	...	6	53	16	29	...	3	
	Kumbharwada	16	33	150	...	3	5	58	...	...	...	...	7	64	30	10	...	1	
	Khetwadi	31	18	67	...	7	12	38	1	1	...	1	2	42	22	10	1	3	
	Girgaum	33	23	91	...	10	8	60	...	...	...	...	1	28	27	13	...	4	
	Chowpati	18	3	38	...	5	...	13	...	...	...	...	...	4	10	1	...	2	
	Walkeshwar	4	...	14	...	1	2	5	...	...	...	...	5	6	9	5	...	1	
	Mahalakshmi	20	9	95	...	3	1	74	...	1	...	...	5	61	25	8	...	4	
	Mazagon	8	13	194	...	7	4	141	...	...	...	1	1	24	37	7	...	3	
	Tarwadi	4	13	142	...	9	21	119	...	4	...	...	2	108	71	3	...	6	
	2nd Nagpada...	2	4	55	...	...	2	76	...	...	...	...	...	78	59	18	...	1	
	Kamathipura	22	6	95	...	1	1	224	...	...	1	...	...	84	38	16	3	2	4
	Tardeo	31	4	54	...	3	2	92	...	1	1	...	4	108	35	7	...	2	5
	Byculla	42	29	354	...	3	8	202	...	...	1	...	5	192	144	31	2	2	9
	1st Nagpada	4	3	14	...	2	1	16	...	...	...	...	...	6	7	1	...	1	1
	Parel	10	59	235	...	2	3	145	...	...	...	...	3	143	29	16	...	2	3
	Sewri	2	11	83	...	1	1	49	...	...	...	...	...	63	14	5	...	2	...
	Sion	11	15	91	...	...	5	85	...	...	...	...	1	83	37	6	68	...	2
	Mahim	6	15	156	...	3	3	21	...	...	...	...	7	108	21	4	2	1	3
	Worli	46	140	474	...	7	7	212	...	...	...	...	17	168	79	17	5	4	4
	Harbour, Docks, Railways and Homeless	2	...	3	...	6	8	11	...	...	...	...	3	2	4	...	...	1	...
	TOTAL ...	443	652	4,006	...	145	334	2,657	10	9	5	3	123	2,078	997	339	88	70	175

and Section in 1911.

					LOCAL DISEASES.												INJURIES.					
								Respiratory System.									General.					
Debility.	Old Age.	Tubercle of Lungs.	All other Tubercular Diseases.	Other General Diseases.	Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Phthisis.	Other Diseases of the Respiratory System.	Digestive System.	Lymphatic System.	Urinary System.	Generative System.	Still-born.	Organs of Locomotion and Connective Tissue.	Other Local Diseases.	Drowning.	Other General Injuries.	Local Injuries.	Poison.	Unspecified Causes.	TOTAL.
4	4	3	1	7	5	...	4	5	14	8	...	1	2	5	1	...	1	1	1	...	1	93
39	17	3	8	26	16	...	10	29	109	16	...	3	2	20	2	...	1	3	6	1	...	520
1	1	1	...	2	3	...	...	1	8	3	...	1	...	2	...	...	...	...	1	1	...	47
54	49	5	24	54	44	1	24	66	211	58	...	17	14	52	3	2	5	12	16	4	...	1,082
28	6	12	8	21	15	...	16	31	115	25	...	12	4	14	2	...	...	26	13	2	1	660
93	123	6	10	101	66	...	14	32	431	41	...	5	5	49	1	...	1	8	4	3	9	1,336
51	117	1	6	139	99	...	14	46	350	35	...	4	4	59	2	1	...	6	5	1	2	1,139
4	50	6	103	156	170	...	24	269	542	77	1	32	4	101	12	...	2	15	15	6	...	2,351
	51	5	18	49	43	...	9	79	340	39	...	4	3	47	3	1	1	9	7	1	...	1,208
	52	9	5	66	63	...	15	38	232	32	1	5	5	25	3	1	2	7	7	6	2	888
	58	9	18	74	68	1	25	37	336	54	1	26	11	99	3	2	5	13	7	2	...	1,351
5	35	3	6	42	55	...	11	32	243	36	2	9	3	39	1	...	3	9	1	2	...	994
	76	1	7	132	98	...	18	58	373	57	1	9	8	63	1	...	4	5	4	2	...	1,359
	87	2	8	85	111	...	7	82	268	26	...	5	6	52	4	2	1	17	6	1	...	1,115
	54	4	6	88	96	...	5	73	310	38	...	4	7	51	2	...	3	5	5	5	...	1,155
	42	4	14	71	72	1	20	85	228	43	...	9	4	43	4	...	...	16	9	3	1	949
	42	8	19	59	70	...	21	97	242	65	...	12	6	47	1	...	3	11	...	2	2	1,031
	12	...	6	15	24	...	8	21	60	19	2	2	7	15	...	1	2	3	2	...	...	299
	9	...	1	21	10	...	5	12	52	13	1	3	...	15	1	1	1	2	...	...	1	206
	26	2	2	45	40	...	5	26	162	29	...	3	3	46	1	...	...	3	4	2	1	726
	68	5	71	87	26	...	10	20	306	62	...	6	4	69	1	...	6	5	5	2	...	1,208
	55	19	77	108	46	1	9	61	339	112	1	19	6	62	14	3	5	66	10	1	2	1,546
	90	2	4	67	104	...	3	36	221	18	...	9	3	42	2	...	1	7	4	1	...	984
1	139	3	7	111	98	...	7	167	421	44	...	32	1	89	6	...	5	17	13	3	1	1,683
88	39	...	8	106	68	...	9	66	277	27	...	4	2	59	3	...	1	4	4	1	2	1,058
290	260	5	27	261	157	...	15	71	852	65	1	11	8	177	1	2	6	18	14	3	...	3,091
6	18	1	3	8	18	...	2	12	40	7	...	4	1	9	...	...	...	4	3	1	...	184
178	38	1	5	104	69	...	4	64	339	24	...	10	...	88	5	...	6	11	3	2	...	1,513
63	14	...	2	30	35	...	...	27	136	7	...	1	2	31	2	...	1	6	3	1	...	561
119	19	1	4	53	38	...	8	76	202	37	2	5	5	61	2	1	10	8	3	1	...	998
71	27	...	5	53	74	1	13	71	277	23	2	14	2	73	4	1	8	10	2	...	...	1,008
248	112	3	5	101	104	1	15	238	593	53	1	18	6	156	6	...	6	11	12	3	2	2,718
...	9	2	2	3	1	...	1	...	11	2	...	2	...	...	...	...	7	8	7	...	5	100
2,478	1,803	128	490	2,345	2,006	6	351	2,078	8,640	1,205	16	300	138	1,759	93	18	97	346	196	63	32	34,961

TABLE of DEATHS by Race, Cause and Sex in 1911.

RACE OR CASTE.	GENERAL DISEASES.																			
	Small-pox.		Measles.		Plague.		Fevers.										Influenza.		Whooping Cough.	
							Scarlet Fever.		Enteric Fever.		Malarial Fever.		Ague and Remittent Fever.		Relapsing Fever.					
	Males.	Females.	Males.	Females.	Males	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Jains	7	6	12	9	208	89	...	...	4	1	13	6	78	23	...	...	...	...	...	...
Brahmins	15	12	16	11	129	25	...	...	4	4	4	2	94	36	...	...	...	...	...	...
Lingaits	...	...	1	2	10	3	...	...	...	...	...	...	7	9	...	...	...	...	...	...
Bhatias	...	1	3	3	11	6	...	...	...	...	1	...	9	14	...	...	...	...	...	...
Hindus of other Castes	141	106	174	173	1,684	739	...	...	21	11	97	37	848	466	5	1	2	...	1	1
Hindus, Low Caste	28	20	63	39	223	138	...	...	...	...	19	11	211	163	2	2	...	...	...	...
Mussulmans	23	19	62	45	393	125	...	...	7	6	71	24	303	192	...	...	...	1	1	...
Parsees	1	2	13	9	47	43	...	...	19	13	8	7	33	35	...	...	2	...	...	1
Jews	...	...	1	...	3	3	...	...	3	...	1	2	3	2	...	...	...	...	...	...
Native Christians	37	24	7	7	114	50	...	...	23	3	12	5	53	61	...	...	2	2	1	...
Eurasians	...	...	...	1	2	3	...	...	3	2	...	3	...	2	...	...	...	...	...	...
Europeans	...	...	1	...	3	...	...	...	15	6	5	5	3	4	...	...	...	...	...	...
Negro-Africans	...	1	...	...	2	1	...	...	...	...	...	...	3	5	...	...	...	...	...	...
Buddhists	...	...	...	...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Other and Unknown Castes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All Castes ... Males	252	...	353	...	2,830	...	...	...	99	...	232	...	1,645	...	7	...	6	...	3	...
All Castes ... Females	...	191	...	299	...	1,176	...	...	...	46	...	102	...	1,012	...	3	...	3	...	2
All Castes ... Persons	443								145		334		2,657		10		9		5	

TABLE of DEATHS by Race, Cause and Sex in 1911—*continued.*

RACE OR CASTE.	GENERAL DISEASES—*contd.*																			
	Diphtheria.		Cholera.		Diarrhœa.		Dysentery.		Puerperal Septicæmia.		Leprosy.		Cancer.		Premature Birth.		Debility.		Old Age.	
	Males.	Females.	Males	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.
Jains	...	...	1	...	43	34	10	12	...	23	...	...	...	2	1	2	45	82	28	39
Brahmins	...	...	2	2	34	27	13	15	...	9	...	...	3	1	3	...	28	26	27	43
Lingaits	...	...	...	...	9	...	1	3	...	1	...	...	...	...	...	...	4	2	6	1
Bhatias	...	...	...	...	9	5	4	...	...	4	...	...	2	...	...	...	10	5	13	12
Hindus of other Castes	...	...	67	17	454	417	294	199	...	150	47	14	15	8	29	22	694	684	329	436
Hindus, Low Caste	...	...	2	5	183	175	68	72	...	19	4	3	...	...	8	11	201	160	57	78
Mussulmans	...	...	9	4	237	190	136	85	...	131	7	2	4	8	11	10	251	214	313	297
Parsees	1	...	6	...	47	47	11	11	...	7	1	...	8	11	19	14	21	18	31	47
Jews	...	...	...	...	3	7	3	1	...	3	1	...	...	...	...	1	5	4	5	7
Native Christians	1	1	5	1	53	67	20	19	...	8	3	5	2	3	16	13	41	34	8	18
Eurasians	...	...	...	...	5	7	2	1	...	2	1	...	...	4	...	5	2	1	2	2
Europeans	...	...	1	1	9	12	10	6	...	1	...	...	3	1	5	5	1	3	2	1
Negro-Africans	...	...	...	...	2	...	...	1	...	1	...	...	...	...	...	...	1	...	1	...
Buddhists	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and Unknown Castes ...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...
All Castes... Males	2	...	93	...	1,089	...	572	...	...	...	64	...	37	...	92	...	1,305	...	822	...
All Castes... Females	...	1	...	30	...	989	...	425	...	339	...	24	...	33	...	83	...	1,173	...	981
All Castes... Persons	3		123		2,078		997		339		88		70		175		2,478		1,803	

26—*continued.*

TABLE of DEATHS by Race, Cause and Sex in 1911—*continued.*

RACE OR CASTE.	GENERAL DISEASES—*concluded.*						LOCAL DISEASES.													
	Tubercle of Lungs.		Other Tubercular Diseases.		Other General Diseases.		Nervous System		Diseases of the Eye, Ear and Nose.		Circulatory System.		Respiratory System.				Digestive System.		Lymphatic System.		Urinary System.	
													Phthisis.		Other Diseases of the Respiratory System.							
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Jains	...	1	7	7	42	51	41	51	...	...	24	1	23	35	224	152	40	22	...	...	8	2
Brahmins...	...	2	6	10	36	35	30	38	...	...	13	3	20	44	215	114	31	23	2	...	1	5
Lingaits	...	...	...	...	3	7	5	1	...	...	...	...	3	5	14	13	...	1	...	...	...	1
Bhatias	...	...	...	3	11	14	13	4	2	...	3	1	7	15	32	29	5	6	...	...	...	...
Hindus of other Castes	41	17	89	107	487	515	387	345	3	...	71	24	448	493	2,332	1,775	320	181	3	3	61	41
Hindus, Low Caste	4	3	7	7	91	90	88	91	...	...	10	1	83	110	539	496	45	32	...	...	4	7
Mussulmans	16	15	54	110	271	489	346	300	...	...	49	29	259	401	1,593	882	151	114	2	1	42	41
Parsees	1	2	18	9	52	42	67	58	...	1	33	26	12	24	75	117	50	41	2	1	21	12
Jews	...	2	...	5	8	8	8	5	...	...	1	3	5	8	29	21	6	3	...	...	1	2
Native Christians	10	9	10	35	45	23	42	35	...	...	29	10	41	33	135	85	51	33	1	1	18	19
Eurasians	...	2	1	1	6	4	9	1	...	...	5	1	1	3	9	7	5	9	...	...	2	3
Europeans	3	...	2	1	6	5	9	8	...	...	11	3	...	...	20	12	22	12	...	...	6	3
Negro-Africans	...	...	...	1	...	2	2	1	...	...	...	...	1	3	8	1	...	...	...	...	...	...
Buddhists...	...	...	...	...	1	1	1	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
Other and Unknown Castes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	4	1	1	...	...	...	...
All Castes ... Males	75	...	194	...	1,059	...	1,068	...	5	...	249	...	903	...	4,932	...	727	...	10	...	164	...
All Castes ... Females ...	...	51	...	296	...	1,286	...	938	...	1	...	102	...	1,175	...	3,708	...	478	...	6	...	136
All Castes ... Persons... ...	126		490						6		351		2,078		8,640		1,205		16		300	

TABLE of DEATHS by Race, Cause and Sex in 1911—*continued.*

RACE OR CASTE.	LOCAL DISEASES—*contd.*								INJURIES.													
	Generative System.		Still-born.		Organs of Locomotion and Connective Tissue.		Other Local Diseases.		GENERAL. Drowning.		GENERAL. Other General Injuries.		Local Injuries.		Poisons.		Unspecified Causes.		All Causes.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Persons.
Jains	...	8	28	15	...	4	1	...	3	1	2	4	3	...	2	...	1	...	871	567	1,438
Brahmins	2	4	23	15	...	1	...	...	2	1	5	4	10	...	2	1	...	...	767	498	1,265
Lingaits	...	...	5	3	1	...	...	...	...	...	...	...	1	...	...	...	...	...	65	49	114
Bhatias	...	5	7	6	1	...	...	...	...	...	1	1	3	...	1	1	...	...	141	129	270
Hindus of other Castes	6	54	454	340	24	17	4	2	35	20	112	49	74	14	24	9	18	2	9,441	7,129	16,570
Hindus, Low Caste	...	6	144	124	...	4	...	...	7	2	12	6	17	4	4	2	3	...	1,983	1,757	3,740
Mussulmans	3	29	214	143	17	6	4	1	14	1	82	31	35	5	8	3	5	...	4,479	3,804	8,283
Parsees	3	7	43	25	1	4	1	1	5	1	5	5	9	1	2	...	...	...	625	617	1,242
Jews	...	...	11	10	...	...	1	...	...	...		1	2	...	1	...	...	...	90	88	178
Native Christians	1	7	46	27	6	4	2	...	2	...	14	6	10	...	...	...	...	...	815	611	1,426
Eurasians	...	1	6	3	...	...	...	...	...	...	...	...	1	...	...	...	...	...	56	65	121
Europeans	1	...	1	2	3	...	...	...	1	...	2	1	6	1	3	...	1	...	154	92	246
Negro-Africans	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20	18	38
Buddhists	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	3	8
Other & Unknown Castes	...	...	25	39	...	...	...	...	1	1	2	1	...	...	...	...	2	...	14	8	22
All Castes... Males	16	...	1,007	...	53	...	13	...	70	...	237	...	171	...	47	...	30	...	19,526	...	...
All Castes... Females	...	122	...	752	...	40	...	5	...	27	...	109	...	25	...	16	...	2	...	15,435	...
All Castes... Persons	138		1,759		93		18		97		346		196		63		32		34,961		

TABLE of DEATHS by Age, Sex and Cause in 1911.

AGE.		GENERAL DISEASES.																			
		Small-pox.		Measles.		Plague.		Fever.										Influenza.		Whooping Cough.	
								Scarlet Fever.		Enteric Fever.		Malarial Fever.		Ague and Remittent Fever.		Relapsing Fever.					
		Males.	Females	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.
DAYS	1 to 30	2	2	1	...	...	...	...	...	...	...	...	1	27	24	...	...	1	1	...	...
MONTHS ...	1 to 6	18	21	19	18	...	...	...	...	...	...	1	1	48	45	...	...	1	1	...	1
	7 to 12	23	32	100	95	...	1	...	...	1	...	3	3	46	51	...	...	...	...	...	1
YEARS ...	1 to 2	21	26	110	90	4	4	...	...	...	...	5	2	37	48	...	...	...	...	...	...
	2 to 3	15	8	45	39	7	6	...	...	1	...	2	1	29	40	...	...	...	...	1	...
	3 to 4	4	12	31	14	13	10	...	...	1	...	1	1	26	27	...	...	...	...	1	...
	4 to 5	12	7	18	9	16	20	...	...	...	...	1	1	31	24	...	...	...	...	...	...
	5 to 10	17	15	20	27	158	161	...	...	8	4	7	13	92	90	...	...	...	...	...	...
	10 to 15	16	7	3	3	337	182	...	...	6	11	14	5	84	75	...	...	...	...	1	...
	15 to 20	46	31	3	3	571	197	...	...	13	5	24	11	236	111	1	...	...	...	...	...
	20 to 25	44	20	2	1	558	174	...	...	30	10	28	9	233	114	3	3	1	1	...	...
	25 to 30	23	3	1	...	459	146	...	...	12	7	39	12	196	113	2	...	1	...	...	...
	30 to 35	4	3	...	...	227	81	...	...	13	5	20	11	171	48	1	...	...	...	...	...
	35 to 40	2	1	...	...	201	86	...	...	7	1	27	8	132	77	...	...	...	...	...	...
	40 to 45	1	2	...	...	93	85	...	...	3	...	16	4	73	24	...	...	...	...	...	...
	45 to 50	3	1	...	...	95	81	...	...	1	1	12	5	74	32	...	...	...	...	...	...
	50 to 55	...	...	...	...	81	13	...	...	...	2	8	4	33	11	...	...	...	...	...	...
	55 to 60	1	1	...	...	37	23	...	...	1	...	12	2	41	31	...	...	1	...	...	...
	60 & over	...	...	...	...	23	6	...	...	2	...	11	8	36	27	...	...	1	...	...	...
	Unspecified Ages ...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
ALL AGES.	Males	252	...	353	...	2,830	...	...	...	99	...	232	...	1,645	...	7	...	6	...	3	...
	Females	...	191	...	299	...	1,176	...	...	...	46	...	102	...	1,012	...	3	...	3	...	3
	Persons	443		652		4,006				145		334		2,657		10		9		5	

TABLE [redacted] and Cause in 1911—*continued.*

AGE.		GENERAL DISEASES—*contd.*																			
		Diphtheria.		Cholera.		Diarrhœa.		Dysentery.		Puerperal Septicæmia.		Leprosy.		Cancer.		Premature Birth.		Debility.		Old Age.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
DAYS	1 to 30	...	...	...	...	18	23	1	3	...	...	...	...	...	...	92	81	1,098	988	...	...
MONTHS	1 to 6	...	...	...	...	79	79	9	4	...	...	...	...	...	...	...	2	116	108	...	...
	7 to 12	...	...	1	...	161	152	27	25	...	...	...	...	...	...	...	...	30	24	...	...
YEARS	1 to 2	...	...	...	...	136	152	46	46	...	...	...	...	...	...	...	...	17	15	...	...
	2 to 3	1	...	1	...	54	72	27	36	...	...	...	...	...	...	...	...	4	2	...	...
	3 to 4	1	...	...	...	32	32	17	20	...	...	...	1	...	...	...	...	...	1	...	...
	4 to 5	...	...	...	...	21	18	13	14	...	...	...	...	...	...	...	...	1	...	...	...
	5 to 10	...	...	3	1	25	26	25	48	...	...	...	...	...	...	...	...	...	4	...	...
	10 to 15	...	...	4	2	19	20	17	9	...	4	3	...	...	1	...	...	1	1	...	...
	15 to 20	...	...	14	6	34	44	36	29	...	97	4	2	...	...	...	..	3	1	...	...
	20 to 25	...	...	13	8	53	49	71	46	...	107	5	1	...	1	...	...	4	6	...	...
	25 to 30	...	...	20	2	62	48	66	48	...	85	10	2	2	1	...	...	7	1	...	...
	30 to 35	...	...	14	3	54	35	41	17	...	32	12	6	2	1	...	...	1	2	...	...
	35 to 40	...	...	8	4	74	51	55	30	...	13	8	3	8	5	...	...	5	2	...	...
	40 to 45	...	...	4	1	47	22	33	7	...	1	6	4	3	9	...	...	4	1	...	...
	45 to 50	...	...	5	2	55	29	33	7	...	...	9	2	8	5	...	...	14	17	...	...
	50 to 55	...	1	4	...	29	8	16	4	...	...	4	3	4	3	...	...	...	...	13	19
	55 to 60	...	...	...	...	64	43	18	18	...	...	3	...	5	3	...	...	...	...	138	159
	60 and over	...	...	2	1	72	86	21	14	...	...	...	...	5	4	...	...	...	...	668	803
	Unspecified Ages	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...
ALL AGES.	Males	2	...	93	...	1,089	...	572	...	...	...	64	...	37	...	92	...	1,305	...	822	...
	Females	...	1	...	30	...	989	...	425	...	339	...	24	...	33	...	83	...	1,173	...	981
	Persons	3		123		2,078		997		339		88		70		175		2,478		1,803	

27—*continued.*

TABLE of DEATHS by Age, Sex and Cause in 1911—*continued.*

AGE	GENERAL DISEASES—*contd.*						LOCAL DISEASES.															
	Tubercle of Lungs.		Tubercle of Lungs including other Tubercular Diseases.		Other General Diseases.		Nervous System.		Diseases of the Eye, Ear and Nose.		Circulatory System.		Respiratory System. Phthisis.		Respiratory System. Other Diseases of the Respiratory System.		Digestive System.		Lymphatic System.		Urinary System.	
	Males.	Females.	Males	Females.	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.	Males.	Females.	Males.	Females.	Males	Females.	Males.	Females.	Males.	Females.
DAYS ... 1 to 30 ...	...	...	...	...	10	4	171	169	...	...	3	...	...	...	29	34	15	5	...	...	...	...
MONTHS ... 1 to 6 ...	...	...	...	3	55	44	401	342	...	...	2	1	...	...	476	456	34	31	...	...	2	...
MONTHS ... 7 to 12 ...	1	2	...	...	107	96	162	155	...	...	1	1	1	...	681	688	98	103	1	...	1	...
YEARS ... 1 to 2 ...	...	...	6	6	168	150	68	61	...	...	1	...	...	...	443	467	64	64	1	...	...	1
YEARS ... 2 to 3 ...	...	...	2	4	108	114	24	15	...	...	...	...	...	...	128	185	22	15	...	...	1	1
YEARS ... 3 to 4 ...	...	...	1	1	40	55	7	6	...	...	...	...	...	1	72	86	8	11	...	...	...	...
YEARS ... 4 to 5 ...	...	...	2	3	22	25	4	4	...	...	...	...	4	7	52	47	3	8	...	...	1	1
YEARS ... 5 to 10 ...	2	...	8	17	36	55	9	11	1	...	1	2	9	23	115	137	8	11	...	1	...	1
YEARS ... 10 to 15 ...	1	1	9	32	39	100	9	5	...	...	3	4	31	88	95	75	12	8	...	...	5	7
YEARS ... 15 to 20 ...	5	11	28	61	65	141	9	29	...	1	14	14	137	253	220	121	33	33	...	...	10	17
YEARS ... 20 to 25 ...	13	19	32	62	96	177	10	18	...	...	12	8	175	271	304	124	73	45	3	...	10	12
YEARS ... 25 to 30 ...	22	6	36	43	94	138	18	15	...	...	22	10	195	236	315	113	85	34	1	1	15	19
YEARS ... 30 to 35 ...	10	3	30	22	55	70	13	11	...	...	30	3	130	113	257	87	67	20	1	...	15	15
YEARS ... 35 to 40 ...	10	3	13	18	49	50	18	12	2	...	36	6	99	104	305	149	72	21	...	2	15	17
YEARS ... 40 to 45 ...	5	2	11	7	28	21	20	6	1	...	25	7	61	37	201	92	41	15	...	...	13	6
YEARS ... 45 to 50 ...	2	2	9	8	38	12	21	12	...	...	27	9	37	25	358	202	39	16	...	...	13	7
YEARS ... 50 to 55 ...	...	2	2	4	21	10	16	9	...	...	17	6	11	7	168	95	14	8	1	1	9	8
YEARS ... 55 to 60 ...	2	...	2	4	17	11	34	15	1	...	24	5	11	6	415	269	21	12	...	1	20	12
YEARS ... 60 and over ...	2	...	3	1	21	13	53	43	...	...	30	26	2	4	237	281	18	17	2	...	24	12
Unspecified Age ...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	1	...	...	1	...	...	...	...
ALL AGES. Males ...	75	...	194	...	1,059	...	1,068	...	5	...	249	...	903	...	4,932	...	727	...	10	...	164	...
ALL AGES. Females ...	...	51	...	296	...	1,286	...	938	...	1	...	102	...	1,175	...	3,708	...	478	...	6	...	136
ALL AGES. Persons ...	126		490		[illegible]						351		2,078		8,640		1,205		16		300	

AGES.	LOCAL DISEASES—*contd.*								INJURIES.												All Ages.
	Generative System.		Still-born.		Organs of Locomotion and Connective Tissue.		Other Local Diseases.		GENERAL.				Local Injuries.		Poisons.		Unspecified Causes.		All Causes.		
									Drowning.		Other General Injuries.										
	Males.	Females.	Males.	Females.	Males	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Persons
DAYS ... 1 to 30 ...	1	...	...	...	1	...	...	...	...	...	6	4	...	...	...	...	...	...	1,476	1,339	2,815
MONTHS { 1 to 6...	...	...	...	...	1	3	1	...	...	...	2	1	...	...	...	...	...	...	1,265	1,161	2,426
MONTHS { 7 to 12...	...	...	...	...	...	...	1	...	...	...	3	...	...	...	1	...	...	...	1,450	1,429	2,879
1 to 2...	...	...	...	...	...	...	...	...	...	1	4	3	...	...	...	...	...	...	1,131	1,136	2,267
2 to 3...	...	...	...	...	...	...	...	...	1	...	3	1	4	...	...	1	...	...	480	540	1,020
3 to 4...	...	...	...	...	1	1	...	...	...	...	3	3	...	...	2	...	...	...	260	282	542
4 to 5...	...	...	...	...	...	1	...	...	1	...	2	2	...	3	...	...	...	...	204	194	398
5 to 10...	...	...	...	...	1	4	1	...	2	1	4	13	7	5	...	1	1	...	560	671	1,231
10 to 15...	...	3	...	...	1	6	...	...	5	6	4	6	12	1	...	...	...	...	721	662	1,383
15 to 20...	1	56	...	...	2	4	...	...	6	6	18	12	28	4	6	3	...	...	1,567	1,283	2,850
YEARS... { 20 to 25...	2	85	...	...	7	7	...	...	15	4	29	6	31	2	16	3	2	...	1,875	1,343	3,218
25 to 30...	4	28	...	...	5	3	1	...	15	2	28	8	31	4	5	4	7	...	1,799	1,132	2,931
30 to 35...	2	11	...	...	6	2	...	1	6	2	24	6	21	2	6	...	7	...	1,240	611	1,851
35 to 40...	2	8	...	...	11	2	3	...	5	1	30	6	12	...	1	1	6	...	1,216	681	1,897
40 to 45...	2	...	...	...	3	...	...	...	2	...	11	5	7	1	4	...	4	1	727	310	1,037
45 to 50...	1	...	...	...	6	1	2	1	4	1	20	6	8	1	5	...	...	...	904	435	1,339
50 to 55...	...	1	...	...	1	1	1	...	...	...	12	1	...	1	...	...	1	...	416	222	638
55 to 60...	1	...	...	...	5	2	...	1	3	3	24	9	5	1	1	3	...	...	907	634	1,541
60 & over	...	...	...	...	2	3	3	2	3	...	11	16	3	...	...	...	...	1	1,315	1,368	2,683
Unspecified	...	...	...	...	...	...	...	...	2	...	...	1	2	...	...	...	2	...	13	2	15
ALL AGES. Males ...	16	...	1,007	...	53	...	13	...	70	...	237	...	171	...	47	...	30	...	19,526	...	...
ALL AGES. Females.	...	122	..	752	..	40	...	5	...	27	...	109	...	25	...	16	...	2	...	15,435	...
Persons..	138		1,759		93		18		97		346		196		63		32		...		34,961

TABLE of DEATHS by DISEASE and

Title of Orders.	Occupation or Trade of Family.	GENERAL DISEASES.															
					FEVER.												
		Small-pox.	Measles.	Plague.	Scarlet Fever.	Enteric Fever.	Malarial Fever.	Ague and Remittent Fever.	Relapsing Fever.	Influenza.	Whooping Cough.	Diphtheria.	Cholera.	Diarrhœa.	Dysentery.	Puerperal Septicæmia.	Leprosy.
Professional	1 (a) Imperial Government Officials, Clerks, &c.	..	..	7	..	6	1	7	..	..	..	..	..	2	1	..	..
Government	2 (b) Foreign Government Consuls, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	3 (c) Native States, Chiefs, Staffs, Retinue, &c.	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
	4 (d) Mul. and Local Government Police, &c.	..	..	12	..	2	..	9	..	..	..	..	..	2	4	..	..
	Post and Telegraph Office, Peons, &c.	2	..	32	..	..	1	20	..	..	..	..	1	5	11	..	..
Defence	5 (a) Army	..	..	1	..	..	..	1	..	..	..	..	..	..	1	..	..
	6 (b) Navy	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Learned Professions.	7 (a) Ministers of Religious, Professors, &c.	1	..	10	..	1	2	11	..	..	..	..	1	4	1	..	..
	8 (b) Law, Medical Literature (Science), &c.	..	..	2	..	..	1	..	..	..	..	..	..	2	..	..	..
	9 Unlicensed Practitioners, Dentists, Opticians, Nurses, &c.	1	..	5	..	..	1	3	..	..	..	..	..	..	..	..	..
Commercial	10 (a) General Merchants in Special Goods	1	..	53	..	8	7	31	..	..	..	..	5	21	11	..	..
	11 (b) Bankers, Accountants, Clerks, Capitalists, Shroffs, &c.	2	1	62	..	10	4	37	..	1	..	..	1	23	7	..	..
	12 (c) Shopkeepers, other General Dealers, Hawkers, &c.	2	..	167	..	2	12	65	..	..	..	..	2	37	21	..	..
	13 (d) Intoxicating Drinks and Drugs Dealers	1	..	7	..	1	..	4	1	..	..	..	2	..	1	..	..
	14 (e) Vegetable Food Dealers	..	..	5	..	..	..	6	..	..	..	..	..	1	2	..	..
	15 (f) Vegetable Substance Makers and Dealers	..	..	5	..	..	..	..	..	..	..	..	..	1	..	..	..
	16 (g) Animal Food Dealers, Fishers, &c.	..	..	19	..	..	..	8	..	..	..	..	..	7	3	..	..
	17 (h) Animal Substance Makers and Dealers	1	..	25	..	..	..	14	..	1	..	..	1	5	4	1	..
	18 (i) Entertainers, Hotel, Club, Refreshment House Keepers	..	..	18	..	..	3	6	..	..	..	..	..	2	4	..	..
	19 (j) Carriers on Road, Horse, Carriage, Cart Keepers	..	..	99	..	..	4	55	..	..	..	..	5	21	18	..	..
	20 (k) Carriers on Seas, Boatmen, Seamen, &c.	..	..	16	..	3	8	21	..	..	..	..	1	5	10	..	..
Railway	21 (a) Officials, Clerks, &c.	..	..	4	..	..	..	4	..	..	..	..	1	1	..	..	..
	22 (b) Workshop Servants, &c.	..	..	5	..	4	1	5	..	..	..	..	1	1	3	..	..
	23 (c) Labourers, Earth-workers, &c.	..	..	15	..	..	..	6	..	..	..	..	1	1	2	..	..
Port and Improvement Trusts and Harbour.	24 (a) Officials, Clerks, &c.	..	..	1	..	..	..	2	..	..	..	..	1	2	..	..	..
	25 (b) General Labourers, &c.	..	..	8	..	3	2	22	..	..	..	..	..	1	2	..	..
Tramway	26 (a) Officials, Clerks, &c.	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
	27 (b) General Labourers	..	..	1	..	..	..	1	..	..	..	..	..	..	1	..	..
Industrial	28 (a) Metal, &c., Workshop-keepers. Mechanical Tools Makers	..	..	6	..	2	..	1	..	..	..	..	..	2	2	..	..
	29 (b) Metal, &c., Workshop Servants, Labourers, &c.	2	..	17	..	2	..	15	..	..	..	..	1	7	8	..	1
	30 (a) Mills (Cotton, Silk, &c.), Masters, Managers, Clerks, &c.	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..
	31 (b) Weavers, Spinners and other Workers	22	3	530	..	4	4	254	..	..	..	..	16	62	69	8	..
	32 (a) Presses (Printing, &c.), Printers, Lithographers, &c.	..	..	16	..	..	2	7	..	..	..	..	3	4	1	..	..
	33 (b) Other General Labourers	..	..	5	..	..	..	..	..	..	..	..	..	1	..	..	..

OCCUPATION in 1911.

								LOCAL DISEASES.													INJURIES.					
											RESPIRATORY SYSTEM.										GENERAL.					
Cancer.	Premature Birth.	Debility.	Old Age.	Tubercle of Lungs.	Other Tubercular Diseases.	Other General Diseases.	Nervous System.	Diseases of the Eye, Ear and Nose.	Circulatory System.	Phthisis.	Other Diseases of the Respiratory System.	Digestive System.	Lymphatic System.	Urinary System.	Generative System.	Still-born.	Organs of Locomotion and Connective Tissue.	Other Local Diseases.	Drowning.	Other General Injuries.	Local Injuries.	Poison.	Unspecified Causes.	TOTAL.
..	..	..	2	..	3	3	1	..	3	4	8	5	..	2	..	..	..	..	..	..	..	2	..	57
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2
..	..	..	2	..	2	2	1	..	5	2	17	2	..	..	1	..	1	..	..	..	..	..	..	64
1	..	1	10	1	3	3	2	..	2	15	37	2	..	2	..	..	1	..	..	2	2	1	..	157
..	..	1	1	..	1	2	2	..	3	..	7	5	..	..	1	..	1	..	1	1	1	..	..	30
..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	3
..	..	..	6	1	2	6	4	..	3	4	24	4	..	3	1	..	..	1	..	..	..	..	..	92
1	..	..	1	..	..	3	2	..	5	..	5	4	1	1	..	..	..	..	..	..	1	..	..	29
..	..	..	3	..	2	1	..	..	..	1	3	2	..	1	..	..	..	..	..	..	..	..	..	23
..	..	1	53	..	6	24	19	1	21	25	89	27	1	11	..	..	3	..	2	3	5	3	..	433
..	..	1	33	3	6	25	16	..	16	18	65	18	..	10	1	..	1	..	1	2	2	3	..	359
..	..	4	74	4	15	38	17	..	18	49	223	27	..	9	..	..	2	2	3	1	7	3	..	808
1	..	..	2	..	..	2	2	..	..	1	12	2	2	3	..	..	..	..	1	2	..	..	..	47
..	..	..	4	..	..	..	..	..	..	6	9	..	..	..	1	..	..	..	..	..	..	1	..	35
..	..	..	3	..	..	1	..	..	1	..	4	1	..	..	..	..	..	..	..	..	..	..	..	16
..	..	..	10	..	1	4	3	..	2	11	16	5	..	2	1	..	1	..	..	..	1	..	..	94
..	..	1	12	..	1	4	1	..	1	8	38	11	..	3	..	..	..	..	..	..	1	..	..	133
..	..	..	3	..	3	5	2	..	..	2	12	3	..	2	..	..	..	..	1	1	1	2	..	70
..	..	..	28	3	7	19	4	..	5	27	135	13	..	3	..	..	1	..	1	6	9	1	..	463
..	..	1	9	3	2	5	2	..	3	8	41	5	..	4	..	..	1	..	..	5	8	..	..	161
..	..	..	..	..	1	3	3	..	6	4	9	3	..	2	..	..	..	1	..	1	..	..	1	44
..	..	..	1	1	2	5	..	..	1	5	17	2	..	1	..	..	..	..	..	2	..	1	..	58
..	..	..	2	..	..	2	..	..	1	4	11	1	..	1	..	..	..	..	..	..	1	..	..	47
..	..	..	..	..	1	1	1	..	1	1	4	..	..	1	1	..	..	..	..	1	..	..	..	18
..	..	..	1	..	2	2	..	..	2	9	38	1	..	..	1	..	2	..	..	4	2	..	..	102
..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2
..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	5
..	..	..	2	1	1	5	1	..	1	3	8	4	..	..	..	..	..	..	..	..	1	..	..	40
..	..	..	6	..	3	7	6	..	4	16	37	8	..	2	..	..	..	1	2	4	5	1	..	155
..	..	..	..	..	..	1	2	..	..	..	4	1	..	..	..	..	..	1	..	..	..	..	..	12
2	..	3	130	..	27	95	9	..	3	212	376	41	..	7	6	..	5	..	7	10	5	2	2	1,909
1	..	..	3	4	..	1	..	..	2	16	24	6	..	4	..	..	..	..	..	1	1	..	..	96
..	..	..	..	..	..	..	..	..	..	4	2	..	..	..	..	..	..	..	..	1	1	..	..	14

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TABLE of Deaths by DISEASE and

Class of Orders.	Occupation or Trade of Family.	GENERAL DISEASES.															
					FEVER.												
		Small-pox.	Measles.	Plague.	Scarlet Fever.	Enteric Fever.	Malarial Fever.	Ague and Remittent Fever.	Relapsing Fever.	Influenza.	Whooping Cough.	Diphtheria.	Cholera.	Diarrhœa.	Dysentery.	Puerperal Septicæmia.	Leprosy.
	34 (a) Engineers, Photographers, Electricians, Architects	..	..	3	..	4	..	3	..	..	..	..	..	3	1	..	1
	35 (b) Builders in Boats, Houses, Coaches, &c.	..	..	1	..	..	..	..	..	..	..	..	..	1	1	..	..
	36 (c) Watchmakers, Gilders, Engravers, &c.	..	..	3	..	1	..	2	..	..	..	..	..	1	1	..	..
	37 (d) Metal Workers	1	..	63	..	1	3	32	..	1	..	..	1	19	7	..	1
	38 (e) Wood Workers	3	..	70	..	..	5	26	..	..	..	..	2	13	7	..	..
	39 (f) Stone Workers (Precious) ..	..	..	17	..	..	..	5	..	..	..	..	..	2	1	..	..
	40 (g) Leather Workers	..	..	35	..	..	..	20	..	..	..	..	..	16	7	..	..
	41 (h) Earth, Stone, Clay, &c., Workers	..	..	3	..	..	..	..	..	..	..	..	1	..	..	..	..
	42 (i) Textile Fabrics (Cotton, Silk, &c.), Workers	1	..	4	..	..	..	4	..	..	..	..	..	3	1	..	..
	43 (j) Dyers, Painters, &c.	1	..	15	..	1	..	10	..	..	..	..	1	5	1	..	..
	44 (k) Glass Workers	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..
	45 (l) Salt Workers	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..
	46 (m) Water Workers	..	..	5	..	..	1	1	..	..	..	..	..	1	..	..	..
	47 (n) Miscellaneous Workers ..	..	..	41	..	2	1	19	..	..	..	..	3	15	6	..	..
	48 (o) Players, Actors, Dancers, Prostitutes, &c.	1	..	5	..	..	3	4	..	..	..	..	..	3	1	2	..
Agriculture ..	49 (a) Gardeners, Cultivators, Farmers, &c.	1	..	23	..	..	6	12	..	..	..	..	2	7	12	1	..
	50 (b) Grass, Hay, Forage, &c., Dealers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other and unspecified.	51 (a) Barbers, Washers, Tailors, Cooks, Bakers, &c.	24	1	237	..	10	13	82	..	..	..	..	7	28	28	5	..
	52 (b) General Labourers	39	2	486	..	1	38	336	5	..	..	..	20	63	65	5	..
	53 (c) Domestic Servants, Bhistis, Ayahs, &c.	15	..	93	..	2	11	47	3	..	..	..	9	7	8	..	..
	54 (d) Servants not otherwise described	13	..	232	..	2	12	111	..	..	..	..	4	43	27	..	..
	55 (e) Municipal Bigaries, Halalkhors &c.	..	..	34	..	1	3	32	1	..	..	..	..	16	16	3	..
Persons of independent means.	56 (a) Landlords	..	..	2	..	..	1	2	..	..	..	..	..	4	1	..	..
	57 (b) Pensioners	..	..	3	..	..	..	3	..	..	..	..	..	6	4	..	..
	58 (c) Mendicants, &c.	3	..	59	..	1	15	40	..	..	..	..	3	35	19	3	5
Others ..	59 (a) Students	3	..	39	..	13	5	14	..	..	..	..	..	1	2	..	..
	60 (b) Prisoners and Convicts ..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..
	61 (c) Others (Pilgrims, Travellers, etc.)	1	..	3	..	..	3	22	..	..	..	..	1	20	11	..	..
	62 Persons following no occupations—Male ..	13	1	152	..	3	34	54	..	1	..	..		30	53	..	45
	63 Do. no occupations—Female ..	29	1	444	..	25	88	251	..	1	..	1	14	330	151	304	19
	64 Do. do. Children	240	643	776	..	30	58	310	..	4	5	2	9	1,108	376	3	3
	Total ..	443	652	4,006	..	145	334	1,657	10	9	5	3	122	2,078	997	329	88

—*contd.*

OCCUPATION in 1911—*concluded.*

Cancer.	Premature Birth.	Debility.	Old Age.	Tubercle of Lungs.	Other Tubercular Diseases.	Other General Diseases.	LOCAL DISEASES. Nervous System.	Disease of the Eye, Ear and Nose.	Circulatory System.	Respiratory System. Phthisis.	Respiratory System. Other Diseases of Respiratory System.	Digestive System.	Lymphatic System.	Urinary System.	Generative System.	Still-born.	Organs of Locomotion and Connective Tissue.	Other Local Diseases.	INJURIES. General. Drowning.	General. Other General Injuries.	Local Injuries.	Poison.	Unspecified Causes.	TOTAL.
1	..	..	2	..	..	3	6	..	2	1	6	1	..	2	..	..	..	..	..	1	1	2	..	48
..	..	..	..	..	1	1	..	..	1	1	4	1	..	..	..	..	..	..	..	..	1	..	..	13
..	..	..	1	..	..	1	..	..	..	3	3	1	..	..	..	..	..	..	..	..	..	1	..	24
..	..	2	13	2	4	17	5	..	5	33	93	11	..	5	..	..	4	..	1	..	..	3	..	332
5	..	..	21	2	10	10	6	..	6	23	67	14	..	3	1	..	2	..	1	1	6	..	..	314
..	..	..	7	..	1	2	2	..	1	10	14	3	..	..	..	..	..	..	..	1	..	..	..	66
1	..	..	15	1	..	5	2	..	4	11	40	5	..	2	..	..	..	..	..	..	..	1	..	165
..	..	..	1	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	9
..	..	..	3	..	1	..	..	..	..	3	7	..	..	..	..	..	..	..	1	..	..	..	..	30
1	..	..	8	..	..	11	1	..	3	12	25	11	..	2	..	..	..	..	..	2	1	..	..	111
..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
..	..	..	..	..	..	..	..	..	..	2	6	..	..	..	..	..	..	..	..	..	..	..	..	16
..	1	22	2	9	10	6	1	4	32	80	11	..	3	1	..	1	..	1	5	1	4	..	282
..	..	1	1	2	1	1	..	..	9	10	5	..	..	..	..	..	..	..	..	..	..	..	..	49
..	2	16	1	3	3	3	..	1	12	53	8	..	5	1	..	2	..	3	..	2	..	1	192
..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2
..	5	151	6	20	58	22	..	18	64	315	58	..	9	2	..	5	1	3	3	4	2	..	1,181
..	4	88	5	18	61	11	..	12	157	560	52	1	8	2	..	6	..	12	34	66	10	3	2,171
..	1	24	5	2	15	2	..	1	27	66	12	..	2	..	..	..	1	2	2	5	..	..	363
2	..	5	45	2	12	24	13	..	21	54	207	35	..	7	..	..	2	..	..	6	3	1	1	899
..	..	..	16	1	1	6	2	1	3	16	55	8	..	2	..	..	..	1	2	3	1	1	1	221
..	..	..	12	..	..	2	1	..	2	5	9	1	..	2	..	..	..	..	..	..	..	..	..	44
..	..	1	30	..	..	2	6	..	1	..	26	5	..	3	..	..	..	..	..	..	1	..	..	91
1	..	2	52	12	13	25	5	..	10	65	163	12	..	15	3	..	5	..	6	32	1	2	7	693
..	..	1	..	1	1	3	1	..	1	10	13	3	..	3	..	..	..	..	2	1	..	1	..	123
..	..	..	..	1	..	..	..	..	..	5	1	3	..	..	..	..	1	..	..	3	..	..	..	17
1	..	3	14	..	2	4	..	..	..	4	20	1	..	3	..	..	1	..	..	22	..	..	..	138
9	..	3	131	14	32	51	30	1	35	77	255	47	3	26	3	..	9	1	19	73	13	3	14	1,283
33	..	36	729	39	178	339	152	1	98	319	1,033	193	5	110	111	..	18	5	8	51	8	7	2	5,881
1	175	2,411	..	11	84	1,207	1,624	1	19	146	4,233	521	3	16	1	..	17	3	17	60	28	5	..	14,670
70	175	2,478	1,933	198	490	2,345	2,006	6	361	2,078	8,640	1,206	15	300	188	..	93	18	97	346	196	63	32	34,961

TABLE of DEATHS by Race, Age and Sex in 1911.

RACE.	AGES.																					
	1 to 30 days.		1 to 6 months.		7 to 12 months.		1 to 2 years.		2 to 3 years.		3 to 4 years.		4 to 5 years.		5 to 10 years.		10 to 15 years.		15 to 20 years.		20 to 25 years.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Jains	43	37	47	49	78	77	43	32	10	10	2	11	4	6	15	25	46	26	102	60	120	55
Brahmins	44	34	50	44	53	45	38	31	22	18	10	4	5	7	21	19	26	23	66	45	94	47
Lingaits	4	2	3	3	10	5	2	3	3	1	3	4	1	2	1	6	6	3	7	5	3	6
Bhatias	11	5	15	14	11	14	5	3	1	3	1	1	2	1	1	3	3	6	7	19	7	13
Hindus of other Castes ...	723	697	530	489	663	715	540	534	231	260	149	138	118	96	275	324	391	297	374	593	945	607
Hindus, Low Caste	205	175	180	158	244	212	192	198	82	93	38	41	32	18	72	87	64	65	123	107	171	128
Mussalmans	293	252	304	274	296	253	214	237	101	132	46	60	37	49	135	155	137	203	252	366	384	384
Parsees	49	40	50	36	53	49	49	51	14	8	7	9	1	7	19	21	12	13	23	23	31	20
Jews	6	4	6	4	9	4	13	8	2	3	2	1	1	...	5	4	2	1	2	5	3	11
Native Christians	77	69	59	82	84	44	27	28	12	16	6	11	7	4	13	23	32	22	95	52	92	58
Eurasians	3	3	7	3	3	3	3	4	...	1	...	...	1	...	...	1	...	1	6	3	3	4
Europeans	8	10	10	3	1	8	5	6	2	...	1	2	...	4	3	3	2	1	9	5	14	4
Negro Africans	...	...	2	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1	...	7	5
Buddhists	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Other and Unknown Castes ...	10	6	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All Castes ... Males ...	1,476	...	1,265	...	1,450	...	1,131	...	480	...	260	...	204	...	560	...	721	...	1,567	...	1,875	...
All Castes ... Females ...	...	1,339	...	1,161	...	1,429	...	1,136	...	540	...	282	...	194	...	671	...	662	...	1,283	...	1,343
All Castes ... Persons ...	2,815		2,426						542		298				1,231		1,383		2,850		3,218	

TABLE of DEATHS by Race, Age and Sex in 1911—*concluded.*

Race.	Ages—*concld.*																				
	25 to 30 years.		30 to 35 years.		35 to 40 years.		40 to 45 years.		45 to 50 years.		50 to 55 years.		55 to 60 years.		60 and over.		Unspecified Ages.		All Ages.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.	Males.	Females.	Males.	Females.	Persons.
Jains	33	40	52	19	47	34	41	11	41	7	25	12	35	16	42	40	...	...	371	567	1,438
Brahmins	59	36	40	18	47	16	39	10	49	19	24	13	31	28	49	44	...	...	767	498	1,265
Lingaits	6	4	2	...	3	2	1	1	1	...	...	...	1	...	8	2	...	...	65	49	114
Bhatias	6	10	12	2	15	8	9	...	3	1	7	4	4	5	21	17	...	...	141	129	270
Hindus of Other Castes	956	503	665	283	605	271	345	160	417	201	171	92	381	290	464	579	3	...	9,441	7,129	16,570
Hindus, Low Caste	145	106	92	46	89	73	42	19	70	47	17	11	51	74	79	98	...	1	1,983	1,757	3,740
Mussalmans	434	326	281	165	309	202	164	63	213	110	104	47	311	151	457	374	8	1	4,479	3,804	8,283
Parsees	27	51	28	30	20	23	33	24	34	24	27	20	34	31	114	148	...	...	625	617	1,242
Jews	4	8	4	3	1	7	4	1	4	2	3	2	3	3	16	12	...	...	90	88	178
Native Christians	63	51	45	27	53	29	35	14	56	19	25	8	40	24	44	30	...	...	315	611	1,426
Eurasians	2	6	2	7	4	4	5	2	3	3	6	2	3	2	7	11	...	...	56	65	121
Europeans	11	7	16	8	20	9	9	3	12	1	5	2	14	4	12	12	...	...	154	92	246
Negro-Africans	3	3	...	2	2	1	...	2	3	1	1	...	...	...	1	1	...	...	20	18	38
Buddhists	...	1	1	1	...	...	...	...	...	...	1	...	...	...	1	...	...	...	5	3	8
Other and Unknown Castes ...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	2	...	14	8	22
All Castes. Males	1,799	...	1,240	...	1,216	...	727	...	904	...	416	...	907	...	1,315	...	13	...	19,526	...	...
All Castes. Females	...	1,132	...	611	...	681	...	310	...	435	...	222	...	634	...	1,368	...	2	...	15,435	...
Persons	2,931		1,851		1,897		1,037		1,339		638		1,541		2,683		15		.....		34,961

TABLE showing by Races the Rate of Mortality per 1,000 of Population from different Death Causes in 1911.

Race or Caste.	Small-pox.	Measles.	Plague.	Fevers.	Enteric.	Malaria.	Ague.	Relapsing.	Cholera.	Diarrhœa.	Dysentery.	Phthisis.	Other Respiratory Diseases.	Accidents.	All Other Causes.	All Causes.
Jains	·63	1·02	12·7	6·10	·24	·92	4·93	.....	·04	3·76	1·07	2·88	18·37	·73	25·55	70·28
Brahmins	·50	·50	2·87	2·68	·14	·11	2·42	.....	·07	1·13	·52	1·23	6·13	·46	7·45	23·57
Lingaits	.....	2·54	11·2	13·57	.....	.....	13·57	.....	.....	7·63	3·39	6·78	22·90	·84	27·98	96·69
Bhatias	·12	·77	2·18	3·08	.....	·12	2·95	.....	.....	1·79	·51	2·82	7·84	·89	14·65	34·70
Hindus of other Castes	·45	·63	4·42	2·71	·05	·24	2·40	·01	·15	1·59	·90	1·82	7·50	·61	9·45	30·28
Hindus, Low Caste	·88	1·88	6·65	7·52	.....	·55	6·89	·07	·12	6·60	2·58	3·68	19·08	·99	18·93	68·95
Hindus, All Castes	*·49*	*·73*	*4·69*	*3·21*	*·06*	*·27*	*2·86*	*·01*	*·14*	*3·03*	*1·00*	*1·97*	*8·67*	*·64*	*10·56*	*34·18*
Mussalmans	·23	·59	2·90	3·40	·07	·52	2·80	.....	·07	2·39	1·23	3·86	12·17	·99	18·45	46·39
Parsees	·05	·43	1·76	2·25	·62	·29	1·33	.....	·11	1·83	·43	·76	3·76	·54	12·38	24·38
Jews	.....	·15	·90	1·66	·45	·45	.75	.....	.....	1·51	·60	2·27	7·57	·60	11·67	26·98
Native Christians	1·47	·33	3·97	3·80	·62	·41	2·76	.....	·14	2·90	·94	2·25	5·33	·77	12·59	34·55
Eurasians	.....	·23	1·19	2·38	1·19	·71	.47	.....	.....	2·86	·71	1·43	3·82	·23	15·99	28·89
Europeans	.....	·08	·25	3·19	1·76	·84	·58	.....	·16	1·76	1·34	·25	2·69	1·17	9·75	20·68
Buddhists	.....	.....	3·46	1·73	.....	1·73	.....	.....	.....	.....	.....	1·73	1·73	.....	5·19	13·84
Other and Unknown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	·45	·66	4·09	2·81	[illegible]	[illegible]	2·71	·01	·12	2·12	1·01	2·12	8·82	·21	12·22	35·69

TABLE of BIRTHS in different months by Caste and Sex in 1911.

MONTHS.	Jains.		Brahmins.		Lingaits.		Bhatias.		Hindus of other castes.		Hindus, Low castes.		Mussalmans.		Parsees.		Jews.		Native Christians.		Eurasians.		Europeans.		Negro-Africans.		Buddhists.		Other and unknown caste.		TOTAL.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Persons.
January	3	4	17	9	2	1	6	10	437	428	137	111	188	171	71	75	14	13	34	42	3	4	15	14	1	...	1	...	...	...	929	882	1,811
February	6	4	9	8	1	1	8	8	380	369	111	103	177	161	69	53	5	6	28	29	4	6	7	12	...	2	...	...	1	4	806	766	1,572
March	6	10	11	19	1	...	6	6	419	396	124	103	175	163	67	64	4	12	45	62	3	6	8	6	...	1	...	...	...	...	869	848	1,717
April	12	15	20	12	1	...	8	11	352	366	98	121	156	164	55	39	4	4	37	36	5	8	8	4	1	...	...	...	...	1	757	781	1,538
May	3	12	13	16	...	1	4	4	349	345	105	98	168	179	59	44	5	5	44	43	4	1	13	...	...	1	...	1	...	1	758	751	1,509
June	11	12	19	14	1	1	4	6	368	370	123	95	181	171	53	37	8	8	36	56	3	5	6	4	...	...	...	...	...	...	813	779	1,592
July	18	17	12	15	1	...	6	5	401	375	123	124	207	174	63	55	8	4	44	51	1	3	10	10	...	1	2	...	1	1	897	835	1,732
August	14	15	18	14	4	1	4	3	463	394	96	126	202	159	76	56	14	4	47	48	2	1	12	14	...	...	...	...	1	...	950	835	1,785
September ...	15	15	19	20	6	5	12	5	479	470	133	128	177	184	68	66	15	7	35	42	1	6	19	8	...	...	..	...	...	...	979	956	1,935
October	17	28	26	24	10	5	8	3	486	490	141	129	190	189	62	67	15	15	47	66	6	4	9	10	...	...	3	...	...	1	1,020	1,031	2,051
November	24	27	23	30	7	1	14	7	506	485	153	118	194	192	90	61	7	10	43	59	4	7	12	13	...	...	1	...	...	1	1,078	1,011	2,089
December	24	30	29	26	13	1	7	5	490	486	144	135	185	196	67	73	10	12	44	43	3	3	7	10	1	...	...	...	1	...	1,025	1,020	2,045
Total ... Males ...	153	...	216	...	47	...	87	...	5,121	...	1,488	...	2,200	...	797	...	109	...	484	...	39	...	126	...	3	...	7	...	4	...	10,881	...	21,376
Total ... Females.	...	189	...	207	...	17	...	73	...	4,974	...	1,391	...	2,103	...	690	...	100	...	577	...	54	...	105	...	5	..	1	...	9	...	10,495	..
Total ... Persons.	342		423		64		160		10,095		2,879		4,303		1,487		209		1,061		93		231		8		8		13		21,376		...

TABLE showing the number of Still-born by Race and Month in 1911.

MONTHS.	MALES.															FEMALES.														PERSONS.													
	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Castes.	Total.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Castes.	Total.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Other and Unknown Castes.	Total.
January	2	2	1	1	33	11	14	5	..	2	..	..	..	..	2	73	..	..	..	1	20	14	11	2	3	5	..	..	..	..	..	56	2	2	1	2	53	25	25	7	3	7	..	..	..	..	2	129
February ..	3	1	..	2	26	17	23	4	..	2	..	..	..	..	2	80	2	2	1	..	23	11	3	..	1	2	..	..	..	..	6	51	5	3	1	2	49	28	26	4	1	4	..	..	..	..	8	131
March	1	2	..	..	31	10	16	1	2	1	1	..	..	..	..	65	..	..	..	1	28	8	14	2	..	2	..	..	..	..	2	57	1	2	..	1	59	18	30	3	2	3	1	..	..	..	2	122
April	1	..	..	..	32	8	14	7	..	6	1	1	..	..	1	71	..	1	..	1	23	8	11	1	..	2	..	1	..	..	4	52	1	1	..	1	55	16	25	3	..	3	1	2	..	..	5	123
May	2	1	1	..	36	16	9	2	2	5	..	..	..	..	3	76	1	..	..	..	18	5	10	4	1	1	1	..	..	..	3	44	3	1	1	..	53	21	19	6	3	6	1	..	..	..	6	120
June	3	..	..	..	25	12	17	2	2	1	2	..	..	..	..	64	2	..	..	..	19	7	11	..	..	1	..	..	..	..	3	43	5	..	..	..	44	19	28	2	2	2	2	..	..	..	3	107
July	..	..	..	..	40	8	16	5	1	4	..	..	..	1	..	75	..	..	1	..	27	11	15	3	1	2	..	..	..	..	5	65	..	..	1	..	67	19	31	3	2	6	..	..	..	1	5	140
August	3	5	..	1	47	8	20	1	..	6	..	..	..	..	5	96	1	2	1	..	24	13	8	4	2	2	1	1	..	..	1	59	4	7	1	1	71	20	28	5	2	8	1	1	..	..	6	155
September ..	3	3	2	1	52	16	21	4	2	6	..	..	..	..	1	111	3	2	..	2	43	15	16	..	..	3	..	..	..	..	2	86	6	5	2	3	95	31	37	4	2	9	..	..	..	..	3	197
October	3	1	1	..	49	13	21	3	1	4	..	..	..	..	5	101	3	2	..	..	39	9	16	2	2	2	..	..	..	..	6	81	6	3	1	..	88	22	37	5	3	6	..	..	..	..	11	182
November ..	5	4	..	..	46	13	23	4	1	4	2	..	..	..	3	104	1	3	..	..	37	9	18	4	..		1	..	..	..	4	78	6	7	..	..	83	22	40	3	1	5	3	..	..	..	7	182
December ..	2	3	..	2	38	12	21	5	..	5	..	..	..	..	3	91	2	3	..	1	39	15	10	3	..	4	..	..	..	..	3	80	4	6	..	3	77	27	31	3	..	9	..	..	..	..	6	171
Total ..	28	22	5	7	454	144	214	43	11	46	6	1	..	1	25	1007	15	15	3	6	340	121	[illegible]	[illegible]	10	27	3	2	..	..	39	752	43	37	8	13	794	268	357	68	21	73	9	3	..	1	64	1,759

TABLE showing the number [redacted]y Section and Month in 1911.

MONTHS	A					B				C						D					E							F			G		Harbour Docks, Railways and Homeless.	TOTAL.
	Upper Colaba.	Middle and Lower Colaba.	Fort South.	Fort North.	Esplanade.	Mandvi.	Chakla.	Umarkhadi.	Dongri.	Market.	Dhobi Talao.	Panaswadi.	Bhuleshwar.	Khara Talao.	Kumbharwada.	Khetwadi.	Girgaum.	Chowpati.	Walkeshwar.	Mahalakshmi.	Mazagon.	Tarwadi.	2nd Nagpada.	Kamathipura.	Tardeo.	Byculla.	1st Nagpada.	Parel.	Sewri.	Sion.	Mahim.	Worli.		
January ..	1	2	..	6	1	2	3	2	2	2	8	1	3	7	1	5	3	..	2	3	9	6	2	6	2	11	..	5	1	7	5	21	..	129
February ..	..	..	..	4	1	5	1	7	6	..	9	1	3	5	2	5	4	..	1	3	3	9	2	12	4	16	1	4	1	4	5	13	..	131
March ..	...	1	..	1	..	2	6	7	5	3	3	5	5	5	4	..	1	..	2	5	4	2	3	7	12	12	1	6	6	1	4	9	..	132
April ..	..	1	2	6	..	1	1	6	1	1	7	3	2	6	4	1	5	1	..	6	5	4	3	4	5	11	2	4	1	10	7	11	..	123
May	..	4	..	2	..	2	3	5	8	1	4	2	3	5	5	5	5	1	1	5	..	4	5	5	4	17	2	8	3	1	3	7	..	120
June	..	1	..	2	..	3	4	4	2	1	4	..	4	2	3	2	2	2	..	3	4	1	4	7	5	12	..	7	1	6	3	18	..	107
July	2	2	..	3	2	2	7	10	4	..	8	2	4	5	..	3	3	1	2	4	6	3	4	8	1	14	1	10	4	9	5	11	..	140
August ..	1	..	..	..	2	7	5	15	2	3	11	5	5	3	7	3	5	..	..	3	7	3	3	3	2	19	1	5	2	2	6	17	..	155
September ..	..	5	..	6	3	4	6	14	3	3	15	3	6	4	10	4	7	4	..	2	3	6	4	14	5	15	..	6	7	3	12	13	...	197
October ..	1	1	..	6	..	7	10	11	2	5	14	7	4	..	5	7	5	1	2	5	8	9	4	4	5	16	..	10	..	6	8	19	..	132
November ..	..	..	..	9	3	8	9	10	4	1	8	4	15	3	7	6	3	1	4	4	7	3	4	7	9	19	..	9	1	6	9	9	..	132
December ..	..	3	..	7	2	6	4	8	8	5	8	6	5	7	3	2	4	4	1	3	8	7	4	12	5	15	1	14	4	1	6	8	..	171
Total ..	5	20	2	52	14	49	59	101	47	25	99	39	62	52	51	43	47	15	15	46	69	62	42	89	59	177	9	88	31	61	73	156	..	1,759

TABLE of DEATHS in different Hospitals and Asylums from Principal Causes in 1911.

HOSPITALS.	GENERAL DISEASES.																						LOCAL DISEASES.														Injuries.		Unspecified Causes.		TOTAL.		
	Still-born.		Small-pox.		Measles.		Plague.		Fevers.		Cholera.		Diarrhœa and Dysentery.		Puerperal Septicæmia.		Leprosy.		Premature Birth.		Other General Diseases.		Nervous System.		Circulatory System.		Phthisis.		Other Diseases of the Respiratory System.		Digestive System.		Urinary System.		Generative System.		Other Local Diseases.							
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Persons.
Adams Wylie Memorial Hospital.	..	..	..	..	..	..	..	..	..	..	..	..	13	2	..	..	..	..	..	..	5	..	1	..	..	..	40	13	11	..	4	..	1	..	1	..	1	..	..	..	..	..	77	15	92
Albless Cama Hospital ..	47	50	..	..	..	..	..	4	2	7	..	..	6	14	..	5	..	..	16	20	16	45	4	9	..	9	..	13	2	7	3	10	1	3	..	14	..	1	..	2	..	..	50	163	213
Arthur Road Hospital ..	..	..	56	30	7	1	1	..	10	3	11	5	15	..	..	..	..	..	..	1	10	3	..	1	..	..	5	3	33	3	..	..	..	..	..	..	..	..	..	..	..	..	148	50	198
Ayurvedic Hospital ..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	6	..	6
Bai Motlabai and Sir D. M. Petit Hospital	79	58	..	..	..	..	..	..	4	5	..	..	9	29	..	7	..	..	22	15	9	19	5	5	1	1	..	1	7	10	10	16	..	3	..	3	1	..	5	6	..	..	73	120	193
Bai Rukshamani Lying-in Hospital	2	2	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	..	...	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	4
Dr. Bhajekar's Hospital ..	1	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	6	..	6
Colaba Lunatic Asylum ..	..	..	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	1	1	2	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	4	10
Colaba Station Hospital ..	2	..	..	..	..	..	1	..	5	..	..	..	1	4	..	..	..	..	1	..	2	5	..	1	3	..	..	3	2	3	3	3	..	..	..	1	1	..	1	1	..	..	20	23	43
Goculdas Tejpal Hospital..	..	..	..	..	..	..	1	..	17	4	3	..	82	10	..	1	..	..	..	..	52	15	7	..	10	2	30	8	93	3	17	1	8	1	2	..	6	1	50	14	..	..	368	60	428
Sir J. J. Hospital	2	..	..	..	..	..	2	2	57	11	1	..	123	32	..	..	..	..	..	..	130	48	18	10	20	5	123	45	196	33	96	4	32	11	5	..	28	5	62	17	..	1	893	224	1,117
Dr. Kerrawalla's Hospital..	..	3	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	4	..	1	...	..	..	..	...	..	..	1	..	..	..	..	...	..	..	..	..	..	..	..	..	6	2	8
Matunga Leper Asylum ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	48	20	..	..	..	1	..	..	..	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	48	21	69
Maratha Hospital	..	..	..	..	..	..	354	72	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..	1	..	..	..	..	..	..	..	..	..	..	361	74	435
Dr. Massina's Hospital ..	7	4	..	..	..	..	1	..	6	9	..	..	..	2	..	1	..	..	8	6	17	10	2	..	6	..	..	..	1	5	8	7	4	1	1	1	2	1	1	..	..	..	57	43	100
Dr. Parakh's Hospital ..	4	4	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	1	2	..	..	1	1	..	...	..	..	..	..	...	..	..	..	..	..	..	..	..	..	3	5	8
Parsee Fever Hospital ..	..	..	..	..	..	..	17	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	13	30
Parsee Lying-in-Hospital..	19	8	..	..	..	..	..	..	3	1	..	..	..	..	..	1	..	..	5	5	..	1	2	..	1	1	.	..	..	3	3	1	..	..	..	1	..	..	..	..	..	..	14	14	28
Police Hospital	..	..	..	..	..	..	..	..	2	..	..	..	2	..	..	..	..	..	..	..	2	..	..	..	1	...	..	..	12	..	1	..	..	..	1	..	..	..	..	..	..	..	21	..	21
St. John's Hospital ..	1	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	5	..	5
St. Joseph's Foundling Home.	..	..	..	..	..	..	..	..	9	17	..	..	5	9	..	..	..	..	..	..	11	12	2	5	..	..	...	..	..	2	4	5	..	..	..	..	1	2	..	1	..	..	32	53	85
St. George's Hospital ..	5	2	..	..	..	..	..	..	22	13	..	..	10	13	..	2	..	..	..	4	11	6	4	3	5	2	2	2	19	9	16	3	3	1	..	..	..	..	5	..	..	..	97	62	159
Seva-Sadan Hospital ..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	3	4
96th Berar Infantry Hospital	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	...	..	2	..	..	..	1	..	..	1	5	..	2	..	..	..	..	..	..	..	..	..	..	..	12	2	14
4th Rajput Infantry Hospital.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Marine Battalion Infantry Hospital	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
TOTAL.. Males ..	170	..	56	..	7	..	377	..	141	..	15	..	271	..	..	..	48	...	60	..	277	..	48	..	51	..	191	..	391	..	169	..	50	..	10	..	40	..	124	..	..	..	2,326	..	..
TOTAL.. Females ..	..	132	..	30	..	1	..	92	..	71	..	5	[illegible]										..	37	..	21	..	91	..	78	..	57	..	20	..	20	..	10	..	41	..	1	..	958	..
TOTAL.. Persons ..	302		86		8		469		212		[illegible]																				70		30		50		165		1		3,279	

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TABLE showing the Number of Plague Deaths by Streets and Races during 1911.

Locality.			Population by Census of 1911.	Races.														
Ward.	Section.	STREET.		Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro Africans.	Buddhists.	Unknown.	Total.
		Upper Colaba.																	
	Upper Colaba.	Colaba Road	1,557	...	...	...	...	4	1	...	...	...	1	...	...	...	...	...	6
		Parsi Bazar		...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	3
		Station Hospital		...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
		Middle and Lower Colaba.																	
	Middle and Lower Colaba.	Apollo Reclamation	19,679	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Bohra Street		...	...	...	...	5	1	...	...	...	...	...	...	...	...	...	6
		Bohra Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Colaba Causeway		...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	3
		Colaba Road		...	1	...	...	7	1	...	...	...	...	...	...	...	...	...	9
		Grant Buildings		...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2
		Gun Carriage Street		1	...	...	...	6	...	..	1	...	1	...	...	...	...	...	9
		Hamal Lane		...	1	...	...	10	...	1	...	...	...	...	...	...	...	...	12
		Hormusji Street		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Koli 1st Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Koli 2nd Lane		...	...	...	...	2	4	...	...	...	...	...	...	...	...	...	6
		Koli 4th Lane		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Khatau Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Manekji Street		...	...	1	...	1	...	3	...	...	...	...	...	...	...	...	5
		Merewether Road		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Naoroji Street... ...		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Pestonji Street		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Thomas Road...		...	...	...	...	11	1	2	...	...	...	...	...	...	...	...	14
		Tullock Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Victoria Bunder		...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	10
		Wodehouse Road		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		No fixed place		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Fort, South.																	
	Fort, South.	Apollo Street...	3,462	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	3
		Ash Lane		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Bakehouse Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Bell Lane		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Dalal Street		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		Elphinstone Circle		...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	4
		Military Square Lane ...		...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	3
		Fort, North.																	
	Fort, North.	Bomanji Lane	26,400	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	6
		Bazar Gate Street		1	...	...	...	5	3	3	8	...	...	...	...	...	...	...	20
		Bhoiwar Lane...		...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	2
		Bohra Bazar Street		1	1	...	...	9	...	...	9	...	...	...	...	...	...	...	20
		Cawasji Patel Street		...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	4
		Calicut Street		...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	2
		Cochin Street		...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	3
		Frere Road		...	...	...	1	5	...	1	...	...	1	...	...	...	...	...	8
		Fort Street		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Goa Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Gogha Street		...	...	...	...	1	...	1	2	...	...	...	...	...	...	...	4
		Karwar Street		...	...	...	...	...	...	2	...	...	2	...	...	...	...	...	4
A		King Lane		1	...	...	3	...	...	...	...	...	...	...	...	...	...	...	4
		Kumpta Street		...	...	...	...	1	...	1	1	...	1	...	...	...	...	...	4
		Jijibhai Dadabhai Lane ...		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Manordass Street		...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	2
		Maruty Street		...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	11
		Mangesh Senoi Street... ...		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Mint Road		3	1	...	1	1	...	...	...	...	...	...	...	...	...	...	6
		Mody Street		...	2	...	1	4	...	3	3	...	1	...	...	...	...	...	13
		Nanabhai Lane		...	...	...	...	...	1	...	5	...	...	...	...	...	...	...	6
		Pitha Street		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Parsi Bazar Street		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Pitha Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Store Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		No fixed place...		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1911—*continued.*

Locality.				Races.															
Ward.	Section.	Street.	Population by Census of 1911.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro Africans.	Buddhists.	Unknown.	Total.
		Esplanade.																	
	Esplanade.	Carnac Road	17,761	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Frere Road		...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	2
		Hornby Road		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Improvement Trust Chawls		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Infantry Hospital		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		New Dock Compound		...	...	...	...	1	1	4	...	...	...	...	...	...	...	...	6
		Paltan Road		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		No fixed place		...	...	...	...	3	...	2	...	...	4	...	...	...	...	...	9
		Mandvi.																	
	Mandvi.	Argyle Road	33,202	...	1	...	...	6	1	...	...	...	...	...	...	...	...	...	8
		Argyle Cross Lane		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Bardan Galli		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Bhandari Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Bhandari Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Bhandup Street		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Broach Street		...	1	...	...	3	1	...	...	...	...	...	...	...	...	...	5
		Chukla Street		...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	2
		Chukla Cross Lane		...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	3
		Chinch Bandar Road		1	1	...	...	4	1	...	...	...	...	...	...	...	...	...	7
		Chinch Bandar Cross Galli		...	...	...	...	4	1	...	...	...	...	...	...	...	...	...	5
		Clive Road		2	...	...	...	4	1	1	...	...	...	...	...	...	...	...	8
		Clive 2nd Cross Lane		...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2
		De'Souza Street		...	2	...	...	4	1	...	...	...	...	...	...	...	...	...	7
		De'Souza Cross Lane		...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	3
		Dongree Street		1	...	...	...	5	8	...	...	...	...	...	...	...	...	...	14
		Duryasthan Street		...	2	...	...	4	...	...	...	...	...	...	...	...	...	...	6
		Frere Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Garibadas Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Isajee Street		...	2	...	1	3	...	...	...	...	...	...	...	...	...	...	6
		Itola Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Jambli Street		...	1	...	...	6	...	...	...	...	...	...	...	...	...	...	7
		Jambli Cross Lane		...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	8
		Janjikar Street		...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		Kazi Syed Street		...	4	...	1	1	1	...	...	...	...	...	...	...	...	...	7
		Khadak Street		...	...	...	...	2	...	...	...	1	...	...	...	...	...	...	3
		Koliwada		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Kumbharwada Cross Lane		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Kurla Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Masjid Bandar Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Masjid Siding Road		...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	3
		Musjid Station Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Old Bengalpura Street		...	...	...	...	2	1	2	...	...	...	...	...	...	...	...	5
		Pydhoni Road		...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	3
		Russel Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Samuel Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		2nd Samuel Street		...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	3
		Sayed Mukri Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Chukla.																	
B	Chukla.	Abdul Rehman Street	24,231	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	4
		Bhajee Pala Street		...	...	...	...	2	3	4	...	...	...	...	...	...	...	...	9
		Bhajipala Cross Lane		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Bebijan Street		1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	3
		Chukla Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Dhobi Street		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Kolsa Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Masjid Bandar Road		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Memonwada Road		3	2	...	...	4	5	4	...	...	...	...	...	...	...	...	18
		Memonwada Cross Lane		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Nagdevi Street		...	...	...	...	1	3	11	...	...	...	...	...	...	...	...	15
		Nagdevi Cross Lane		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		Nakhoda Street		...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2
		Narayen Dhuru Street		...	...	...	...	5	...	3	...	...	...	...	...	...	...	...	8
		Narayen Dhuru 1st Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Pydhoni Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Sarang Street		...	...	...	...	1	...	13	...	...	...	...	...	...	...	...	14
		Tawa Lane		...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	3

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1911—*continued.*

Locality.			Population by Census of 1911.	Races.															
Ward.	Section.	Street.		Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro Africans.	Buddhists.	Unknown.	Total.
		Umarkhadi.																	
	Umarkhadi.	Attar Gally	45,679	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	4
		B. B. Parel Road		...	1	...	6	1	4	6	...	...	...	...	...	...	...	...	18
		Babula Tank Road		...	...	...	...	2	3	7	...	...	...	...	...	...	...	...	12
		Chineb Bunder Road		...	...	...	...	2	...	...	...	...	...	...	...	...	..	...	2
		Dongree Road		...	...	...	...	3	3	...	...	...	...	...	...	...	...	...	6
		Imâmwada Road		...	...	...	...	...	4	8	...	...	...	...	...	...	...	...	12
		Jail Road		...	...	...	...	...	4	2	...	...	...	...	...	...	...	...	6
		Jail Road, East		...	...	...	1	3	3	5	...	1	...	...	...	...	...	...	13
		Jail Road, South		...	...	...	...	7	...	4	...	...	...	...	...	...	...	...	11
		Jail Road, North		...	...	...	...	4	7	3	...	...	...	...	...	...	...	...	14
		Jail Road, South Cross Lane		...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	3
		Jakheria Musjid Street		...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	7
		Kambeker Street		...	...	...	...	...	1	10	...	...	...	...	...	...	...	...	11
		Memonwada Road		...	...	...	...	...	4	9	...	...	...	...	...	...	...	...	13
		Mirza Ali Street		...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2
		New Bengalpura		...	...	...	...	...	3	13	...	...	...	...	...	...	...	...	16
		Nishanpada Road		...	...	...	...	1	5	1	...	...	...	...	...	...	...	...	7
		Nagdevi Street		...	...	...	...	...	4	8	...	...	...	...	...	...	...	...	12
		Old Nagpada Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Pydhoni Road		...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
		Pathan Wady		...	...	...	...	...	4	6	...	...	...	...	...	...	...	...	10
		Peroo Lane		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Pinjari Bazar		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		Samuel Street		...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	5
		Tely Gally		...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	4
		Tandel Street		...	...	...	...	1	...	10	...	...	...	...	...	...	...	...	11
		Tantanpura		...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	2
		Umarkhadi Road		...	...	...	2	8	12	8	...	1	2	...	...	...	...	...	33
		Dongri.																	
	Dongri.	Argyle Road	27,246	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
		Chinch Bunder		...	...	...	...	2	13	...	...	...	...	...	...	...	...	...	15
		Dongree Road		...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	4
		Chinch Bunder Road		...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	4
		Frere Road		...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	4
		1st Nowrojee Hill, North		...	...	...	...	...	30	...	...	...	...	...	...	...	...	...	30
		1st Nowrojee Hill, South		...	...	...	...	5	20	...	...	...	...	...	...	...	...	...	25
		1st Nowrojee Hill, South × Lane		...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	8
		Jail Road, East		...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2
		Kalyan Street		...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2
		2nd Chinch Bunder		...	...	...	1	...	4	...	...	...	...	...	...	...	...	...	5
		2nd Nowrojee Hill, North		...	...	...	...	...	13	...	...	...	...	...	...	...	...	...	13
		Valpakhady		...	...	...	...	1	8	...	...	...	...	...	...	...	...	...	9
		Wari Bunder		...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	3
		Market.																	
	Market.	Abdul Rehman Street	30,172	...	...	...	...	1	...	5	...	...	...	...	...	...	...	...	6
		Agiary Lane		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Carnac Road		...	...	...	...	...	1	1	...	...	4	...	...	...	...	...	6
		Champa Galli		...	...	...	1	6	...	1	...	...	...	...	...	...	...	...	8
		Champa Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Dhunjee Street		...	...	...	...	2	...	1	1	...	...	...	...	...	...	...	4
		Ganeshwadi 1st		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Kalbadevi Road		...	2	...	...	5	2	...	...	...	1	...	...	...	...	...	10
		Kitchen Garden		...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2
		Lohar Chawl		2	...	...	1	3	1	...	...	...	...	...	...	...	...	...	7
		Musjid Bunder Road		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Mirza Street		...	1	...	...	2	...	4	...	...	...	...	...	...	...	...	7
		Mumbadevi Road		...	3	...	...	4	...	1	...	...	...	...	...	...	...	...	8
		Nakhoda Street		...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	3
		New Hanuman Lane		...	1	...	...	4	1	...	...	...	...	...	...	...	...	...	6
		Old Hanuman Lane		1	...	...	1	4	...	...	...	...	...	...	...	...	...	...	6
		Old Hanuman 1st Cross Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Old Hanuman 2nd Cross Lane		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Old Hanuman Lad Wadi		...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
		Oval Wadi		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Princess Street		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1910—*continued.*

Locality.				Population by Census of 1911.	Races.														
Ward.	Section.	Street.			Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro Africans.	Buddhists.	Unknown.	Total.
		Market—*contd.*																		
C	Market.	Shaik Memon Street		30,172	2	4	...	...	5	4	...	...	...	...	...	...	...	...	...	15
		Shekadi Lane			1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Sutar Chawl			...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Tak Wadi			...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		Tel Wadi			...	...	...	...	2	7	...	...	...	...	...	...	...	...	...	9
		Vithalwadi			...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Vithoba Lane			...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Dhobi Talao.																		
D	Dhobi Talao.	Cavel Street		38,684	...	3	...	1	20	...	...	...	...	9	...	...	...	...	...	33
		Chandanwady			...	...	...	...	17	3	1	1	...	4	...	...	...	...	...	26
		Dadysett Agiary Street			...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2
		Dhobi Talao, 1st Lane			...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	2
		Girgaum Road			...	...	...	...	2	...	...	2	...	4	...	...	...	...	...	8
		Hamalwady			...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	3
		Jambulwadi			...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Kalbadevi Road			...	7	...	2	8	...	...	...	...	...	...	...	...	...	...	17
		Kolbhat Street			...	...	...	...	19	2	...	4	...	...	...	...	...	...	...	25
		Kolbhatwady			...	1	...	...	7	...	...	...	...	...	...	...	...	...	...	8
		Lohar Street			...	...	...	...	5	1	...	2	...	3	...	...	...	...	...	11
		Marine Line, 1st Lane			...	...	...	...	3	10	...	...	...	3	...	...	...	...	...	16
		Marine Line 2nd Lane			...	...	...	...	3	...	...	...	...	1	...	...	...	...	...	4
		Marine Line, 3rd Lane			...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Marine Line, 4th Lane			...	...	...	...	2	...	...	2	...	...	...	...	...	...	...	4
		Princess Street			...	...	...	...	1	1	1	1	...	...	...	...	...	...	...	4
		Queen's Road			...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		Sonapur Street			...	...	...	...	9	3	2	4	...	3	...	...	...	...	...	21
		Trinity Street			...	...	...	...	7	1	...	2	...	1	...	...	...	...	...	11
		Wellington Street			...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Fanaswady.																		
C	Fanaswady.	Bhuleshwar Road		27,403	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Cathedral Street			1	...	...	...	10	...	...	...	...	...	...	...	...	...	...	11
		Dadysett Agiary Street			...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	4
		Dukarwady			...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	7
		Fanaswady			...	5	...	...	22	...	...	...	...	...	...	...	...	...	...	27
		Girgaum Road			...	3	...	...	18	1	2	2	...	...	...	...	...	...	...	26
		New Wady			...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Sonapur Street			...	...	...	...	2	2	3	...	...	5	...	...	...	...	...	12
		Tadwadi			...	...	...	...	4	...	...	1	...	...	...	...	...	...	...	5
		Thakurdwar Road			...	...	...	...	29	...	2	2	...	...	...	...	...	...	...	33
		Zaoba's Wady			...	6	...	...	6	...	1	...	...	...	...	...	...	...	...	13
		Bhuleshwar.																		
C	Bhuleshwar.	Alli Umar Street		36,159	...	...	...	...	...	...	17	...	...	...	...	...	...	...	...	17
		Baman Road			...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Bapoo Khote Street			1	2	...	...	6	...	3	...	...	...	...	...	...	...	...	12
		Bhoiwada, 1st Lane			...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Bhoiwada, 2nd Lane			2	1	...	...	3	...	...	...	...	...	...	...	...	...	...	6
		Bhoiwada, 3rd Lane			1	2	...	...	7	...	...	...	...	...	...	...	...	...	...	10
		Bhuleshwar Road			...	2	...	...	10	...	...	...	...	...	...	...	...	...	...	12
		Cawasji Patel Tank Road			...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Erskine Road			...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Popbalwady, 1st			...	5	...	...	1	...	...	...	...	...	...	...	...	...	...	6
		Do. 2nd			...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Do. 3rd			...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Ghogari Moholla			...	...	...	...	2	...	5	...	...	...	...	...	...	...	...	7
		Girgaum Back Road			...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Kalbadevi Road			...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	2
		Kazi Street			...	...	...	...	...	1	8	...	...	...	...	...	...	...	...	9
		Khanderaowadi			...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Kika Street			3	3	...	...	15	...	1	...	...	...	...	...	...	...	...	22
		Marooty Lane			...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	2
		Musjid Street			1	...	...	...	5	1	1	...	...	...	...	...	...	...	...	8
		Nizam Street			...	...	...	...	2	...	5	...	...	...	...	...	...	...	...	7
		Punchayet Wadi			...	2	...	...	2	...	...	...	...	...	...	...	...	...	...	4
		Pinjrapole Street			...	2	...	...	2	1	...	...	...	...	...	...	...	...	...	5
		Parel Road Bhendi Bazar			...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	4

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1911—*continued.*

Locality.				Races.															
Ward.	Section.	Street.	Population by Census of 1911.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro-Africans.	Buddhists.	Unknown.	Total.
		Khara Talao.																	
	Khara Talao.	Baloo Street	22,979	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Bapty Road		...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	3
		Bhendi Bazar Parel Road		...	...	...	...	..	...	2	...	...	...	...	...	...	...	...	2
		Chimna Butcher Street		...	...	...	...	1	3	5	...	...	...	...	...	...	...	...	9
		1st Cooper Street		...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	3
		2nd Cooper Street		...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	4
		Dhabu Street		...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	8
		Dharamsey Street		...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	3
		Dharamsey Cross Lane		...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2
		Doctor Street		...	...	...	...	...	...	17	...	...	...	...	...	...	...	...	17
		Duncan Road		...	...	...	...	12	4	4	...	...	...	...	...	...	...	...	20
		Erskine Road		...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	2
		Grant Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Gurjar Street		...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	3
		Khara Talao Street		...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	3
		Khoja Street		...	1	...	...	23	2	2	...	...	...	...	...	...	...	...	28
		Mutton Street		...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	5
		Pakmodia Street		...	...	...	...	5	2	9	...	...	...	...	...	...	...	...	16
		Kumbharwada.																	
	Kumbharwada.	Ardeshir Dady Street	27,703	...	...	...	...	3	1	...	...	...	...	...	...	...	...	...	4
		Bapty Road		...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	5
		Bhandari Street		...	...	...	...	7	...	1	...	...	...	...	...	...	...	...	8
		Bhandari Cross Lane		...	...	...	...	4	2	...	...	...	...	...	...	...	...	...	6
		2nd Bhandari Cross Lane		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
		1st Carpenter Street		...	...	...	...	3	3	...	...	...	...	...	...	...	...	...	6
		2nd Carpenter Street		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		C. P. Tank Road		...	1	...	...	3	...	...	...	...	...	...	...	...	...	...	4
		Duncan Road		...	1	...	...	19	...	...	...	...	...	...	...	...	...	...	20
		2nd Duncan Cross Lane		...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	3
		Durgadevi		...	1	...	...	3	...	...	...	...	...	...	...	...	...	...	4
		Falkland Road		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	5
		Grant Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Islampura Street		...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	9
		Islampura Cross Lane		...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		Kumbharwada Street		...	...	...	...	25	2	1	...	...	...	...	...	...	...	...	28
		Khetwadi Main Road		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Northbrook Street		...	...	...	...	16	1	...	...	...	...	...	...	...	...	...	17
		Northbrook Garden Camp		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		1st Pathan Street		...	...	...	2	3	...	...	...	...	...	...	...	...	...	...	5
		2nd Pathan Street		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		Sindi Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Sandhurst Street		...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	4
		Trimbuk Purashram Street		...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	3
		Khetwadi.																	
	Khetwadi.	Charni Road	31,937	...	...	...	1	7	...	...	...	...	...	...	...	...	...	...	8
		Chunam Kiln Road		...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	3
		Falkland Road		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Do. 2nd Cross Lane		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Do. 3rd Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Do. 4th Cross Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Do. 5th Cross Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Do. 6th Cross Lane		...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	3
		Do. 7th Cross Lane		...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	2
		Do. 8th Cross Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Girgaum Back Road		1	...	...	...	9	...	...	...	...	1	...	...	...	...	...	11
		Grant Road		...	1	...	...	4	...	...	...	...	...	...	...	...	...	...	5
		Khambata Lane		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Khetwadi Back Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Khetwadi Main Road		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Do. 2nd Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Do. 4th Lane		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Do. 5th Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Do. 6th Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Do. 7th Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Do. 8th Lane		...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	2
		Do. 9th Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Do. 10th Lane		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		1st Parsiwada		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Procter Road		...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2
		Sandhurst Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Trimbak Purashram Street		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1911—*continued.*

Locality.				Races.																
Ward.	Section.	Street.	Population by Census of 1911.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro Africans.	Buddhists.	Unknown.	Total.
		Girgaum.																	
D	Girgaum.	Akalkote Lane	80,779	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
		Borbhat Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	
		Charni Road		...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	
		Cow Lane		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	
		Cow Cross Lane		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	
		Girgaum Road		...	2	...	...	18	1	2	1	...	2	...	...	...	...	...	
		Girgaum Back Road		...	2	1	...	5	...	...	...	...	...	...	...	...	...	...	
		Kandewadi Lane		...	3	...	...	4	...	...	...	...	...	...	...	...	...	...	
		Kandewadi Cross Lane		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	
		Khatarali Lane		...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	
		Mugbhat Street		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Mugbhat Cross Lane		...	...	2	...	6	...	...	...	...	...	...	...	...	...	...	
		Sadashiv Street		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	
		Thakurdwar Road		1	2	...	1	3	1	...	...	...	...	...	...	...	...	...	
		Ambe Wadi		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
		Kele Wadi		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	
		Khotachi Wadi		...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	
		Mangal Wadi		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
		Oval Wadi		...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	
		Pimpal Wadi		...	1	...	...	4	...	...	...	...	...	...	...	...	...	...	
		Chowpati.																	
D	Chowpati.	Bhatwadi 1st Lane	11,397	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
		Bhatwadi 2nd Lane		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	
		Bhatwadi Barki Sheri		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	
		French Road		...	1	...	1	1	...	...	...	...	...	...	...	...	...	...	
		Girgaum Road		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	
		Girgaum Back Road		...	1	1	...	3	...	...	...	...	...	...	...	...	...	...	
		Chowpati Road		...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	
		Gamdevi Road		...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	
		Dammer Lane		...	1	1	...	10	...	...	...	...	...	...	...	...	...	...	
		Sandhurst Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
		Muluk Wadi		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
		Queen's Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
		Walkeshwar.																	
D	Walkeshwar.	Banganga Temple Compound	10,640	...	1	...	...	3	...	...	...	...	...	...	...	...	...	...	
		Hughes Road		...	...	...	...	3	...	...	2	...	...	...	...	...	...	...	
		Dongarsi Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
		Walkeshwar Road		1	...	...	...	3	...	...	...	...	...	...	...	...	...	...	
		Mahalakshmi.																	
D	Mahalakshmi.	Arthur Road	26,302	1	...	...	...	27	14	...	1	...	1	...	...	...	...	...	44
		Bellasis Road		...	...	...	...	5	1	1	...	...	...	...	...	...	...	...	7
		Chikhal Wadi		...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	9
		Falkland Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Forjett Street		1	...	...	...	14	...	...	...	...	...	...	...	...	...	...	15
		Gowalia Tank Road		...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	2
		Pedder Road		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Tardeo Road		...	...	...	...	8	1	1	1	...	...	...	...	...	...	...	11
		Warden Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Warden Road Temple Compound		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Mazagon.																	
E	Mazagon.	Albert Road	30,075	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Belvedere Hill Road		...	...	...	...	4	...	2	...	...	...	...	...	...	...	...	6
		Church Street		...	...	...	...	...	...	1	...	...	1	1	...	...	...	...	3
		Coppersmith Lane		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		2nd Carpenter Street		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		3rd Carpenter Street		...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	2
		DeLima Street		2	...	...	...	1	...	...	...	...	3	...	...	...	...	...	6
		Dolker Street		...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	2
		Gunpowder Road		...	...	...	...	7	1	...	...	...	...	...	...	...	...	...	8
		Gunga Bavdi Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1911—*continued.*

Ward.	Section.	STREET.	Population by Census of 1911.	RACES. Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro Africans.	Buddhists.	Unknown.	Total.
		Mazagon.																	
E	Mazagon.	Ghorupdeo Road	30,075	...	...	...	...	33	1	2	...	...	1	...	...	...	...	...	37
		Mazagon Road		...	1	...	...	3	...	...	...	...	1	...	...	...	...	...	5
		Mount Road		...	...	...	1	18	1	...	...	...	...	...	...	...	...	...	20
		Mount Pakhadi		...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	3
		Matarpakhadi		2	...	...	...	20	1	1	1	...	7	...	...	...	...	...	32
		Magazine Road		...	...	...	...	4	4	...	...	...	...	...	...	...	...	...	12
		Muzaverpakhadi		...	...	...	...	6	...	...	...	...	2	...	...	...	...	...	8
		Reay Road		...	1	...	...	15	...	1	...	...	1	...	...	...	...	...	18
		Rose Cottage Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Tank Bunder Road		...	...	...	...	9	1	...	...	...	2	...	...	...	...	...	12
		Victoria Road		...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	4
		Wari Bunder Road		...	...	...	...	4	1	2	...	...	1	...	...	...	...	...	8
		Tarwadi.																	
E	Tarwadi.	Albert Road	28,424	...	...	...	...	4	...	1	...	...	1	...	...	...	...	...	6
		Connaught Road		...	...	...	...	7	...	1	...	...	2	...	...	...	...	...	10
		Chinchpoogli Road		...	...	...	...	7	1	...	...	...	...	...	...	...	...	...	8
		Ghorupdeo Road		1	...	...	...	20	3	...	1	...	...	...	...	...	...	...	25
		Hansraj Lane		...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Kalachowki Road		...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	6
		Love Lane		...	...	...	...	9	3	2	...	...	...	...	...	...	...	...	14
		Mazagon Road		...	1	...	...	12	...	...	...	...	...	...	...	...	...	...	13
		Mount Road		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Nesbit Lane		1	...	...	...	11	3	2	...	...	...	...	1	...	...	...	18
		Parel Road		...	1	...	...	18	5	3	...	...	1	...	1	...	...	...	29
		Sussex Road		2	...	...	1	2	...	2	...	...	...	...	...	...	...	...	7
		Victoria Road 1st Cross Lane		...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2
		2nd Nagpada.																	
E	2nd Nagpada.	Bellasis Road	21,700	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	2
		Duncan Road		...	...	...	...	3	4	...	...	...	...	...	...	...	...	...	7
		Grant Road		...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	2
		Huzeria Street		...	...	...	...	1	1	3	...	...	...	...	...	...	...	...	5
		Kasipura Street		...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	11
		Khandia Street		...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	2
		Mastan Tank Street		...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	3
		S.-K. B K. Street		...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	4
		Tank Street		...	...	...	...	1	4	2	...	...	...	...	...	...	...	...	7
		Temker Street		...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	6
		Undria Street		...	...	...	...	...	1	4	...	...	...	...	...	...	...	...	5
		Road Side		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Kamathipura.																	
E	Kamathipura.	Bapty Road	36,751	...	...	...	...	10	1	...	...	...	...	...	...	...	...	...	11
		Bazar Road		...	1	...	...	5	...	1	...	...	...	...	...	...	...	...	7
		Centre Road		...	...	...	...	3	...	...	1	...	...	...	...	...	...	...	4
		Duncan Road		...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	3
		Stable Street		...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	6
		Sukhalaji Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		1st Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		2nd do.		...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	10
		3rd do.		...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	4
		4th do.		...	...	2	...	4	...	...	...	...	...	...	...	...	...	...	6
		5th do.		...	...	...	...	4	1	2	...	...	...	...	...	...	...	...	7
		6th do.		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		7th do.		...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	4
		8th do.		...	...	...	...	7	1	1	...	...	...	...	...	...	...	...	9
		9th do.		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		10th do.		...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	3
		11th do.		...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	3
		12th do.		...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	2
		13th do.		...	...	...	...	1	4	...	...	...	...	...	...	...	...	...	5
		14th do.		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Road Side		...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1

35—*continued.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1911—*continued.*

Locality.				Races.																
Ward.	Section.	Street.	Population by Census of 1911.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro Africans.	Buddhists.	Unknown.	Total.
		Tardeo.																	
E	Tardeo.	Arab Lane	27,768	...	...	...	...	2	...	...	..	...	1	...	...	...	...	...	3
		Ballaram Street		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Bapty Road		...	...	...	...	2	1	1	...	...	...	...	...	...	...	...	4
		Bellasis Road		...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		Falkland Road		...	...	...	...	5	...	2	...	...	...	...	...	...	...	...	7
		Foras Road		1	...	...	...	6	1	1	...	...	1	...	...	...	...	...	10
		Gilder Street		2	...	...	...	11	1	...	...	...	...	...	...	...	...	...	14
		Gilder Lane		...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	2
		Grant Road		...	...	...	...	2	...	...	1	...	...	...	...	...	...	...	3
		Jairajbhai Street		...	...	...	...	1	4	...	...	...	...	...	...	...	...	...	5
		Suklajee Street		...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		Byculla.																	
E	Byculla.	Agripada	75,348	...	1	1	...	30	7	10	...	...	...	...	...	...	...	...	49
		Arthur Road		...	1	...	...	14	4	...	...	...	...	...	...	...	...	...	19
		Bellasis Road		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Chambar Lane		...	...	...	...	1	3	...	...	...	2	...	...	...	...	...	6
		Clerk Road		1	...	...	...	28	6	...	...	...	...	...	...	...	...	...	35
		Clare Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		DeLisle Road		4	1	...	...	37	6	...	...	...	...	...	...	...	...	...	48
		Ghellabhai Street		...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	6
		Gilder Street		...	...	...	...	12	...	1	...	...	...	...	...	...	...	...	1
		Guzri Bazar		...	...	...	...	1	5	...	...	...	...	...	...	...	...	...	6
		Haines Road		1	...	...	3	30	15	2	...	...	2	...	...	...	...	...	53
		Kalachowki Road		...	1	...	...	14	...	...	...	...	...	...	...	...	...	...	15
		Kalapani Street		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Mahomedan Street		...	1	...	...	1	3	4	...	...	...	...	...	...	...	...	9
		Morland Road		...	...	...	...	7	10	3	...	...	...	...	...	...	...	...	20
		Parel Road		3	1	1	...	18	2	...	...	...	...	...	...	...	...	...	25
		Ripon Road		...	1	...	...	9	5	23	...	...	...	...	...	...	...	...	38
		Sankli Road		...	...	...	...	1	1	1	...	...	1	1	...	...	...	...	5
		Sunder Lane		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Tank Pakhadi		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		1st Nagpada.																	
E	1st Nagpada.	Bellasis Road	6,414	...	...	...	...	3	...	...	...	...	2	...	...	...	...	...	5
		New Nagpada Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Parel Road		...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	3
		3rd Peerkhan Lane		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		4th " "		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Shepherd Road		...	...	..	...	1	...	...	...	...	...	...	...	...	...	...	1
		Parel.																	
F	Parel.	Arthur Road	45,474	3	...	...	...	20	1	1	...	...	...	...	...	...	...	...	25
		Bhoiwadi Cross Road		1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	3
		Currey Road		1	1	...	...	49	...	...	...	...	...	...	...	...	...	...	51
		Elphinstone Road		...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	3
		Government Gate Road		1	...	...	...	9	...	1	2	...	...	...	...	...	...	...	13
		Kalachowky Road		4	...	...	...	19	1	1	...	...	...	...	...	...	...	...	25
		Lal Wady		...	...	...	...	17	2	4	...	...	...	...	...	...	...	...	23
		Parel Village		3	...	...	...	29	...	...	...	...	...	...	...	...	...	...	32
		Parel Back Road		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Parel Road		...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	10
		Parel Tank Road		...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	11
		Peru's Chawl		...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		Suparibang Road		7	1	...	...	10	2	1	1	...	4	...	...	...	...	...	26
		Tulsiram Pada		...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	7
		Sewri.																	
F	Sewri.	Bhoiwadi	19,067	...	...	...	...	12	...	...	...	...	1	...	...	...	...	...	13
		Parel Tank Road		1	...	...	...	28	...	...	...	...	...	...	...	...	...	...	29
		Sewri Road		...	...	...	...	8	...	1	...	...	...	...	...	...	...	...	9
		Sewri Cross Road		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Sewri Koliwada		...	...	...	...	6	...	...	...	...	3	...	...	...	...	...	9
		Sewri Jakeria Bunder		...	...	...	...	5	...	3	...	...	...	...	...	...	...	...	8
		Sewri New Road		...	1	...	...	13	...	...	...	...	...	...	...	...	...	...	14

35—*concluded.*

TABLE showing the Number of Plague Deaths by Streets and Races during 1911—*concluded.*

Locality.				Races.															
Ward.	Section.	Street.	Population by Census of 1911.	Jains.	Brahmins.	Lingaits.	Bhatias.	Hindus of Other Castes.	Hindus, Low Caste.	Mussalmans.	Parsees.	Jews.	Native Christians.	Eurasians.	Europeans.	Negro Africans.	Buddhists.	Unknown.	Total.
		Sion.																	
	Sion.	Antop Hill	30,680	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Bhoiwadi		...	...	...	...	6	1	...	...	...	...	...	...	...	...	...	7
		Bhoiwadi Cross Road		...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	2
		Bhoiwadi Road		...	...	...	...	9	2	...	...	...	...	...	...	...	...	...	11
		Dadar Road		1	1	...	...	3	7	...	...	...	...	...	...	...	...	...	12
		Dhakti Sewdi		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Gavari Gadu		...	...	...	...	3	...	...	...	...	1	...	...	...	...	...	4
		Khada Matunga		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Matunga Road		...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	3
F		Matunga Bhandarwada		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Matunga Station		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Matunga Maharwada		1	1	...	...	6	...	...	...	...	...	...	...	...	...	...	8
		Naigaum Road		...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	8
		Sion Bhandarwada		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Sion Road		...	...	...	...	12	...	...	...	...	4	...	...	...	...	...	16
		Vincent Road		...	1	...	...	3	3	...	...	...	1	...	...	...	...	...	8
		Wadala Village		1	...	...	...	1	...	...	...	...	1	...	...	...	...	...	3
		Wadalla Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Mahim.																	
	Mahim.	Bazaar Road	30,492	...	1	...	...	7	...	1	...	...	1	...	...	...	...	...	10
		Cause Way		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Custom Road		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
		Dharavi Road		...	...	...	...	10	9	6	...	...	...	...	...	...	...	...	25
		Dharavi Koliwada		...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
		Health Camp		...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	2
		Lohar Chawl		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
G		Lady Jamshedjee Road		1	...	...	...	55	1	...	...	...	4	...	...	...	...	...	61
		Matunga Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Mori Road		...	1	...	...	7	2	...	1	...	1	...	...	...	...	...	12
		Gopi Tank		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Sorab Mill Gully		...	3	...	...	4	...	...	...	...	...	...	...	...	...	...	7
		Old Parbhadevi Road		...	...	...	...	29	...	...	...	...	...	...	...	...	...	...	29
		Worli.																	
	Worli.	Arthur Road	89,611	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	4
		Breach Candy Road		...	...	...	...	5	1	...	...	...	...	...	...	...	...	...	6
		Carroll Road		...	...	...	...	4	9	...	...	...	...	...	...	...	...	...	13
		Clerk Road		1	...	...	...	3	2	...	...	1	2	...	...	...	...	...	9
		Cleveland Road		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Currey Road		...	...	...	...	13	...	1	...	...	...	...	...	...	...	...	14
		Dadar Kumbharwada		1	2	...	...	29	1	...	1	...	6	...	...	...	...	...	40
		Dadar Gully		...	2	...	...	4	...	...	...	...	...	...	...	...	...	...	6
		Dadar Road		...	2	...	...	4	1	...	...	...	1	...	...	...	...	...	8
		Dadar Junction		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		DeLisle Road		3	...	1	...	83	41	6	2	...	3	...	...	...	...	...	139
		Dhan Mill Kumbharwada		1	...	...	...	14	4	...	...	...	...	...	...	...	...	...	19
G		Dhobiwada Road		...	...	...	...	12	1	1	...	...	...	...	...	...	...	...	14
		Elphinstone Road		...	...	...	...	12	12	1	...	...	1	...	...	...	...	...	26
		Fergusson Road		1	1	...	...	63	8	1	1	...	...	...	...	...	...	...	75
		First Pakadi		1	...	...	...	4	...	...	...	...	...	...	...	...	...	...	5
		Haines Road		...	...	...	...	6	...	1	...	...	...	...	...	...	...	...	7
		Khed Gully		...	...	...	...	11	...	2	...	...	1	...	...	...	...	...	14
		Middle Pakadi		...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	10
		New Parbhadevi Road		...	3	...	...	25	5	1	...	...	1	...	...	...	...	...	35
		Old Parbhadevi Road		...	...	...	...	10	...	...	...	...	5	...	...	...	...	...	15
		Portuguese Church Road		...	1	...	...	8	...	...	...	1	2	...	...	...	...	...	12
		Worli Koliwada		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
		Harbour, Docks, Railways and Homeless.																	
A	Harbour	Harbour	44,979	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	3

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